

Rogers' plan to revamp riverside

RICHARD Rogers has designed a radical redevelopment of the centre of London, including the removal of Waterloo Bridge, replacing Charing Cross Station with extra capacity at Waterloo and moving the Embankment road under the Thames.

This utopian project (but financially feasible according to Rogers) will be featured in the New Architecture exhibition at the Royal Academy from October 3 to December 21.

Also covered will be the cancelled Norman Foster BBC Radio building and James Stirling's losing entry for the National Gallery extension.

Coinciding with the exhibition there will be lectures, BAFTA will run a season of films featuring architects, and visits to important buildings will be arranged for school children.

Market hopefuls

SPACE Planning Services launched its shares on the Unlisted Securities Market yesterday with hopes of raising £1.5 million.

The office planning, refurbishment and relocation consultancy employs 60 staff, and has seen turnover increase from £500,000 to £2 million in three years, with profits rising from £15,000 to more than £400,000.

Hille Ergonom, the international contract furniture group, is also seeking a flotation on the USM early next month, with a 25 per cent share issue in search of around £3 million to put into new plant, research and design.

Trams revival

RADICAL proposals for improving Oxford Street were unveiled this week, involving reducing traffic further and increasing pedestrian routes. Long-term plans involve creating an "ultra-modern" transport system using trams.

Hounslow theme park under green belt threat

PLANS for a massive £100 million theme park on a disused waterworks by Kempton Park racecourse, four miles from Heathrow, could be hindered by local planners who have had the area re-designated as green belt.

But Theme World, whose application reached Hounslow

Georgians hit out at academy competition

THE Georgian Group this week attacked a design competition for a house in the forecourt of the Royal Academy, and said it will strongly oppose plans to construct the winning entry.

The competition launched in last week's *Observer* asks for a 10sq m "house" around Sir Joshua Reynolds's statue.

Architect Steven Smith, who works for Terry Farrell, said he had suggested the idea to the academy's education department as a way of "involving" the public in architecture.

By Amanda Ballileu

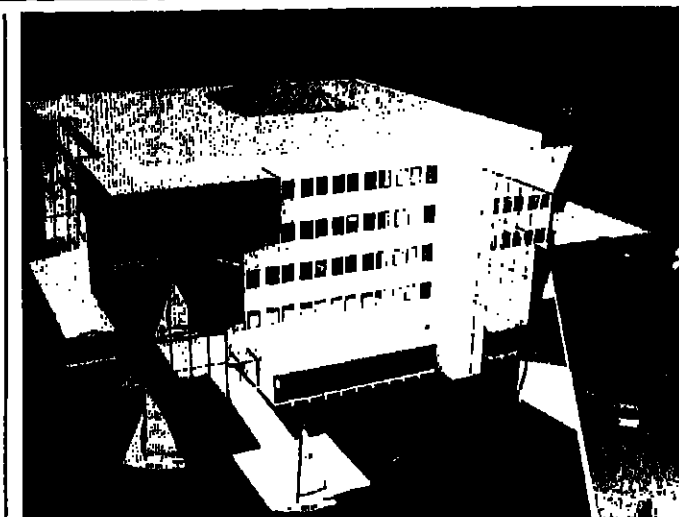
But the Georgian Group said that any attempt "to clutter up the RA's forecourt with a wooden pre-fab or neo-Geo conservatory would be undesirable". The group is concerned that the winning entry would become a permanent fixture like the Louvre's glass pyramid.

But Smith has defended the choice of site and says the competition will help stimulate interest in the RA's forthcoming exhibition on the work of Rogers, Stirling and Foster, which will also include the competitions best entries.

Judges will be Sir Hugh Casson, critic Steven Gardiner, and fashion designer Katherine Hammett. The winner will receive £1,000, with £1,500 to be divided between the runners-up. The competition is open to anyone of any age, but school

children are particularly encouraged to enter.

The RIBA said that the RA's decision not to have separate categories for architects, amateurs and children was "odd" and could create problems when it comes to judging. The RIBA said that its "first impression was that it couldn't work and it is not at all clear what they want".



Swedish touch

This will be "an example of the Scandinavian architecture" coming to Regent, chief executive of London Docklands Development Corporation, as it goes ahead. The building will be a 10-storey Trade Centre in West London, and is being designed by Swedish architects Sten Samuelsson and Ulf Nilsson. The 8,000sq m, five-storey structure will centre around an exhibition atrium, and also highlight its waterside setting by use of mirror glass cladding. The £10 million scheme is to be constructed later this year on a plot just south of Heron Quay (see p 4).

Tourism time for Southampton

ALEX Gordon Partnership are architects for a multi-million pound scheme to transform Southampton into one of Britain's top tourist centres.

The 10-year-plan, unveiled this week, includes rebuilding part of a Saxon town and installing a new transportation system running old trams from Southampton and others im-

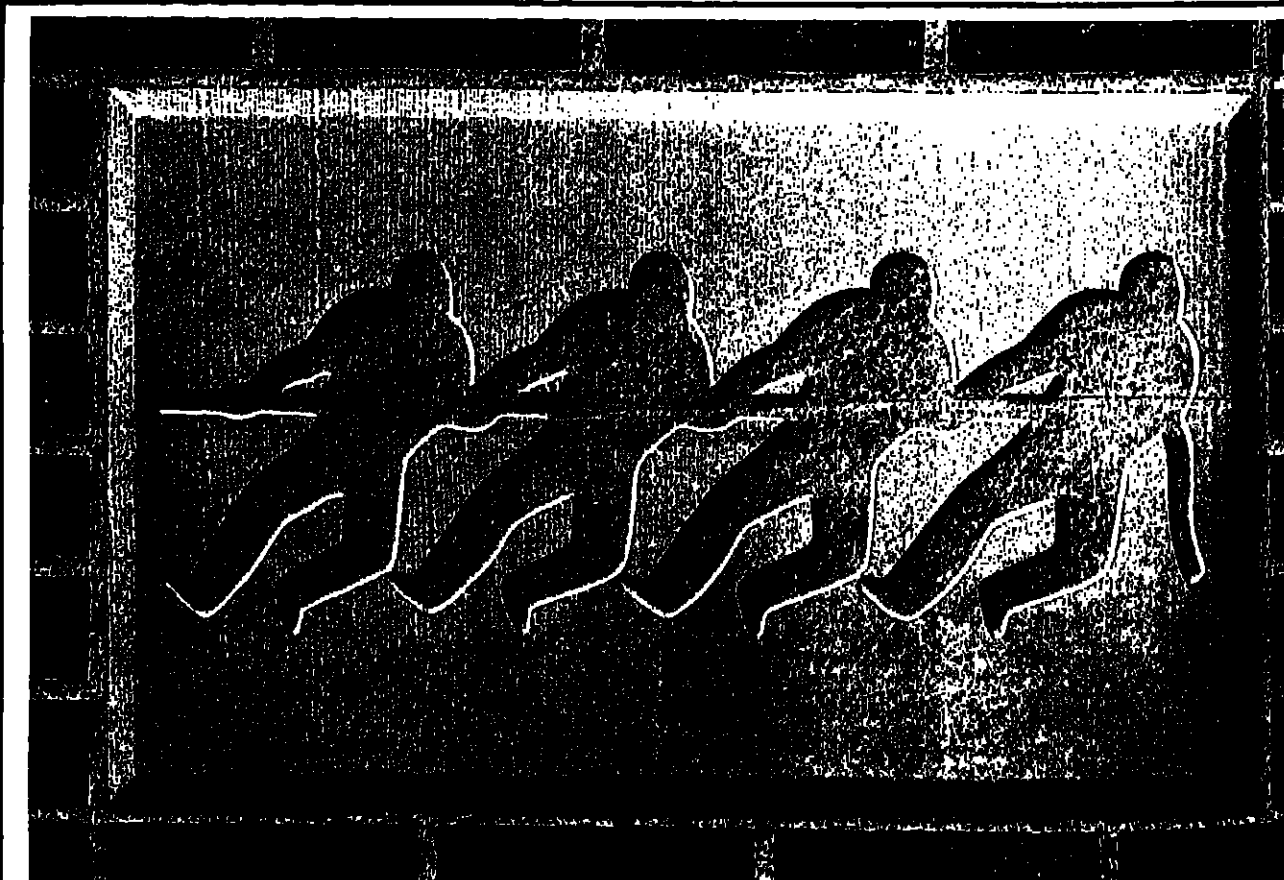
ported from Portugal. Architectural and historical treasures will be promoted.

The "Timebase Southampton" project would have a £4.6 million new centre and a series of outstations.

The whole scheme would cost between £11 million and £32.6 million to implement. Is the result of a joint feasibility study

commissioned by Southampton and Hampshire councils. It was prepared by Heritage Projects with the Alex Gordon Partnership and Peat Marwick Mitchell & Co.

An elevated "maglev" people mover rail link proposed to join Tint stations with British Rail stations.



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BUILDING DESIGN

No 794

The weekly newspaper for the design team

FRIDAY JULY 4 1986

Why Jenkin passed on Limehouse decision

IN an exclusive interview with *BD* this week, former DoE chief Patrick Jenkin reaffirmed that he was not involved in the controversial decision to approve development in London's Limehouse Basin because he personally knew the student who produced a scheme for Limehouse while at Cambridge University.

Jenkin said that the parents of the student, Michael Mallison, were "old family friends" and he had "discussed a detailed scheme for Limehouse with Michael on more than one occasion".

"This was sufficient for my advisers at the department to say I should not be involved," he said.

But Mallison's tutor at Cambridge, Dalibor Vesely, said that Jenkin could only have seen A4 xerox copies of the scheme.

"It was an academic exercise, not a professional scheme," said Vesely, who also gave evidence to the public inquiry against the Seifert scheme for Hunting Gate.

Jenkin also said that he had "discussed in general terms" the British Waterways Board plans with the former BWW chairman, Sir Frank Price.

"I encouraged him to go ahead and develop the land," said Jenkin, who maintains that he did not know that the DoE overturned its own inspector's decision over Limehouse. He said he never saw any of the Limehouse papers.

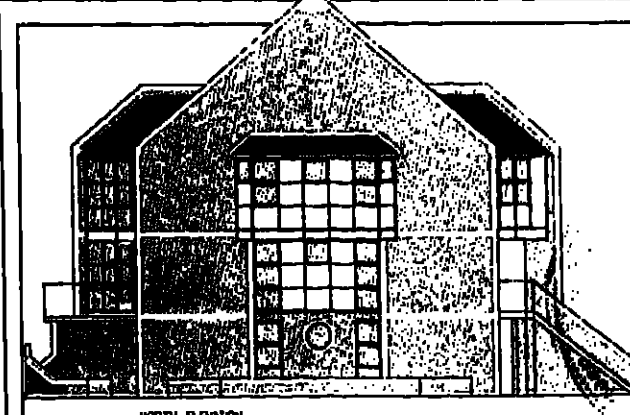
The decision was made by a junior minister, Neil Macfarlane. Commenting on the Seifert plan, Jenkin said: "I know Colonel Seifert but this had nothing to do with why I was advised to pass the decision to Macfarlane."

Plans to build a £40 million four-lane highway through London's Docklands could cause major redesigns to the Limehouse Basin scheme. Landowner the British Waterways Board and developer Hunting Gate are currently discussing the proposals with the LDDC.

Shop choice

FOUR architects have been shortlisted for a town centre development in Bromley including 13,000sq m of shops, a department store and a 4,500sq m leisure centre.

The four are Chapman Taylor, BDP, Leslie Jones and T P Bennett.

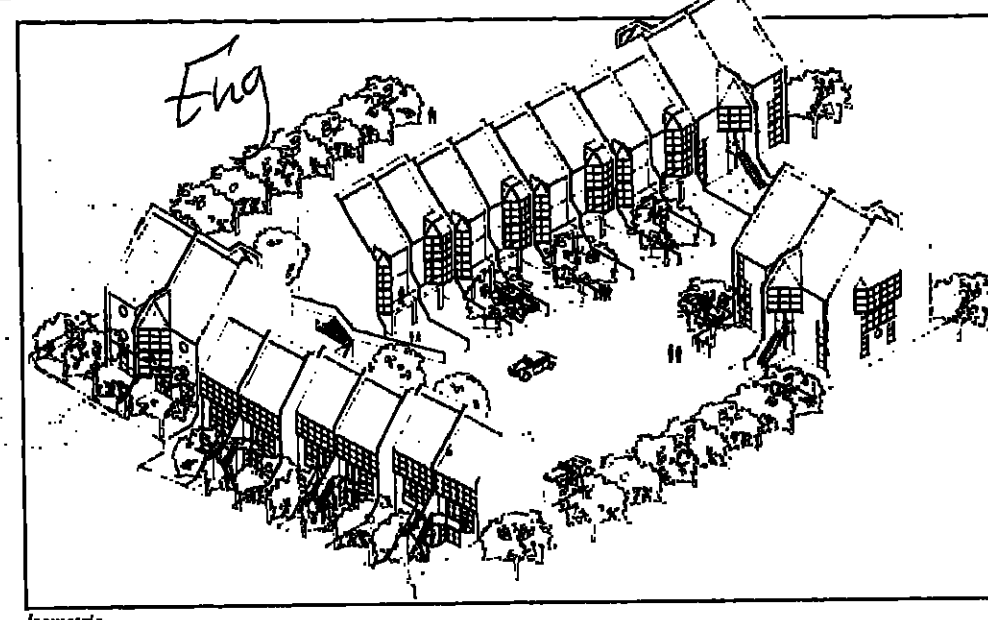


North elevation.

Corrigan Soundy Kiladitil are now on site with their second competition-winning housing scheme in London's Docklands.

As with their nearby Elephant Lane scheme, the practice linked up with developer the Regent Group in the architect/developer competition for the Holyoake House site in Rotherhithe.

Their £1.25 million scheme replaces a four-storey block of flats with 32 dwellings, divided into three three-storey blocks. As with the nearly complete Elephant Lane project, there is a striking use of glazing and brickwork, and efficient overall planning.



Isometric.

Architects spurn public sector pay and conditions

COUNCILS FACING STAFFING CRISIS

LONDON councils are struggling to recruit architects because of poor salaries, political interference and lack of opportunities to carry out imaginative work.

Leading London local authorities including Camden, Southwark and Hammersmith & Fulham, now say it is impossible to recruit "reasonable architects" because the private sector offers "better pay and better chances for young architects to shine".

Hammersmith & Fulham — whose hefty building programme came after the May elections when the council swung to Labour — says it faces "problems on all fronts trying to recruit more staff".

A spokesman from the architects department said it needed to increase staff by 50 per cent. The department has been restructured and the top posts reggraded to boost recruitment.

He said the council was "losing out to the flashier practices", with four architects leaving in the last three months to join Foster and Farrell. Only the new community architecture team has had no trouble finding staff.

The South East now has to offer "inducement", said George Oldham, chief city architect at

By Amanda Ballileu

Newcastle council and chairman of the RIBA Public Sector Group.

"The failure of councils to hold on to staff is all part of the general malaise due to privatisation. The Government's lack of concern for the inner-city authorities will seriously affect the quality of staff they attract," he said.

Architects at Southwark blame the "political bias" of councils. A senior staff member said architects are put off applying to some authorities because "they give a lot of hassle". Southwark was unable to

recruit at the higher level because of the low pay. The two unions active in town halls, Nupe and Nalgo, were not sympathetic to those in higher paid posts and would not campaign for better pay, he claimed.

Peter Benwell, chairman of the Society of Chief Architects of Local Authorities (Scala) said that recruitment of architects is likely to become "a serious problem as local authorities become more and more extreme", but added that "if you look on the bright side they are still exciting places to work with lots and lots of opportunities".

Camden council says it faces a severe staff shortage just as its building programme has increased. Director of architecture John Wade blamed the problem on the salaries offered.

After a recent recruitment drive, timed to coincide with GLC abolition, Camden only netted three architects after seven took up job offers in the private sector.

GLC architects favoured jobs with the new Central Technical Unit because the salaries were higher, said Wade.

Camden has been forced to comb through its original shortlist and is approaching unsuccessful candidates — many of whom have now found jobs elsewhere. They are planning a new recruitment drive for a further 12 architects.

Colin Stansfield Smith, head

Institute gears up for conference

UP to 200 people are expected to attend this year's RIBA conference, "City Wise", which takes place next week in London.

An exhibition of perspectives by John Alexander, one of the leading designers of cinema interiors during the 1920s and 1930s, will be held at the RIBA to coincide with the conference.

And a tour of London's 1930s cinemas, cost £4.50, has been organised for the morning of July 12. Details from Sheena Parsons, 01-580 5533.

For the first time ever, the institute will be providing creche facilities to look after the children of members wishing to attend. Details from Margaret Elbogen, 01-580 5533 (ext 4209).

...signing off...



A SANNER

Station prize

A NEW competition to find British Rail's best station has been launched by BR as part of its policy of promoting environmental improvements.

The £500 first prize and plaque will be awarded at a ceremony in November.

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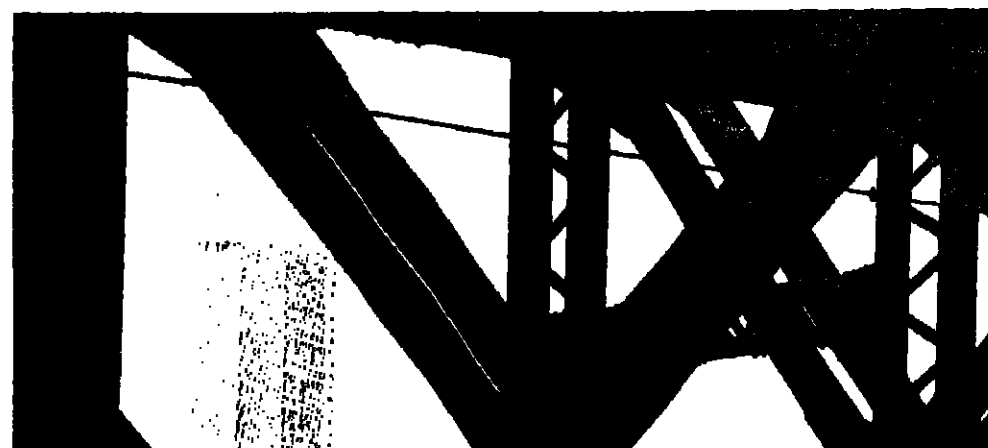
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Post-war landmarks by Erno Goldfinger — above, Trellick Tower, North Kensington; right, Alexander Fleming House, Elephant and Castle.

TRY to get to the Heinz Gallery by July 26 if you possibly can. This small exhibition won't take up too much of your time, but if you're interested in some architectural refreshment to counteract the stifling summer, then this is a must.

Its main intention is in a sense quite simple: those concrete blocks that were put up in the 1950s and 60s, which we all brush aside with a resigned "never again", were actually architecture, and in some cases, it is suggested, thoroughbred architecture.

Exhibition organiser and photographic contributor James Dunnett sums it up in his manifesto/handbill that you can pick up at the door. He describes how modern developments of this period are considered to be of no architectural interest: "Disruptive of the urban fabric they were," he says, "but to one with an open mind, knowledge of recent history, and some discrimination, they can in themselves provide interest and enjoyment. It is hoped this exhibition will draw

attention to some of the visual stimulus which post-war London can offer."

The exhibition achieves its aim admirably. The photographs, plus a number of original working drawings and models, are arranged in thematic sections. Some are devoted to architects. A section on Selfert gives a lot of space to Magnet House in Kingsway, London, 1961. "Pilotis and fenestration at their most exuberant", says the caption.

A splendid memento in the Selfert section is an original negative drawing — numbered 320/228, and titled in that favoured Festival-style lettering of the period — of St Giles Circus Tower, which later became known as Centre Point.

Of the architects, Erno Goldfinger also has a section. His

Trellick Tower, North Kensington, 1968, is captioned by Dunnett: "20th century architecture reflecting the spirit of 19th century engineering... the New City rises from the old". Unfortunately the New City has not been treated too well. Dunnett comments: "The recent disfigurement of their skylines by the removal of the important parapet cornice is a major loss which, if the concept of an architectural heritage means anything, must one day be restored."

The exhibition handbill claims that Goldfinger's dwelling towers "can stand comparison with the strength of Victorian engineering whilst retaining fundamental humanity of their conception".

Goldfinger, of all the architects represented in the exhibition,

stimulates the debate in the way Dunnett wants. His "fundamental humanity" is plainly expressed on the immaculate original drawings on display.

Within a geometrical facade, drawn in pen and ink, just one flat will be picked out in colour. Here are the occupants, and they almost seem human. These drawings are much more convincing than the usual housing perspectives, which show carefree tenants frolicking among mature trees, underneath a blazing sun that in reality never seems to come out.

The temptation to forgive the tower block is at its strongest in front of the Goldfinger section. A trip in person to the Trellick Tower, or to Elephant and Castle, may be the only really effective way of fighting off that temptation.

The great surprise of the exhibition is the section simply titled "Aberdeen". David du R. Aberdeen was the architect of Congress House, Great Russell Street, the TUC headquarters. Here is a building that underlines the need for this exhibition, for it is somewhere that even those with a "knowledge of recent history, and some discrimination" may well pass without pausing for a second look.

But it is a building of great purity, and Aberdeen's drawings on display demonstrate this. One panel features his own description of the TUC headquarters. So powerful and confident is the prose that it will change one's attitude towards Congress House whether one likes it or not: "against the immaculate and ironic north facade, on which any decoration would be an intrusion, the massive granite pedestal focuses the eye, and marks the entrance. On this pedestal stands a vigorous sculptural group designed for the side views which the narrow thorough imposes — the two figures move across each other in constantly changing perspective as one approaches from either side."

Aberdeen's work brings out an important sub-plot of the exhibition: that the architecture being presented comes directly out of mainline Continental Modernism and Constructivism. Here is Dunnett describing the TUC building: "... a

very painstaking attempt to build the Centrosymyz in England's green and pleasant land — Aberdeen clearly was also very aware of the importance of sculpture in Le Corbusier's pre-war work, and used it effectively."

The exhibition constantly refers the British 50s and 60s buildings back to earlier prototypes, and most of the prototypes could be found either in a modest book on Le Corbusier or a modest book on the Constructivists. It all has an unfortunate side-effect of reinforcing the notion that British Modernism is highly derivative, and — if the exhibition is taken at face value — derivative of a very narrow band of prototypes.

Isolated buildings set in greenery are referred back to Le Corbusier's utopian projects; freestanding sculpture in front of buildings comes from Le Corbusier's Ministry of Education in Rio de Janeiro; Imperial College Students' Hostel has "rough late-Corbusian detailing in an urbane setting".

One the other hand, Lyons Israel Ellis' Polytechnic of Central London College of Engineering & Science of 1969 has "a bronze curtain wall of real elegance, and a constructivist sense of massing". Works by the constructivists Ginsburg

and Barkhin are shown in evidence.

There is, then, a tendency to overquote the architectural sources. It has the tragic effect of nullifying the exhibition's nuance. If its aim is to present certain building types being worthy of appreciation then it will only achieve success if it addresses itself to the buildings' main critics. It seems very little point in justifying popularly disliked architecture by suggesting it has a fine class pedigree.

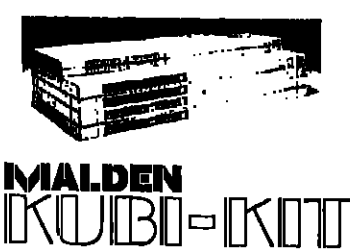
But one small section of exhibition brings the argument away from this rarified level presents that universally popular piece of urban design: the 1950s — the London Routemaster bus. Here, at last, serious recognition of the triumph of design those buses showing painstaking attention to even the smallest detail whether it be the chrome grab-rails, or the internal trimmings. Routemasters have survived 30 years, and that is proof of the quality of its design.

However, down on Old Street, just a short distance from the Heinz Gallery, sightseers are being driven about Routemasters that have been de-roofed and converted into open-toppers. Dunnett did it in this instance say "the roof is a major loss".

Buses might be design, but sadly it seems that they are not architecture.

"London: Images from the modern city" is at the Heinz Gallery, June 1 to July 26, Monday - Friday 10am - 5pm, Saturday 11am - 1pm.

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1 x Pack S, 1 x Pack T

1 x Pack U, 1 x Pack V

1 x Pack W, 1 x Pack X

1 x Pack Y, 1 x Pack Z

Study aims for vandal-proof schools

PLANS to combat vandalism in schools have been announced this week by education minister Chris Patten.

The package includes a discussion paper produced by the Department of Education & Science Architects & Building Branch, in

consultation with the Home Office, which will be sent to all education authorities and interested groups.

This is intended to lead to a practical guide on the security of school buildings to be produced by the DES later in 1987.

Leeds tower block tenants warned of structural danger

TENANTS of 24 Reema blocks in Leeds have been warned not to use their balconies until stringent safety tests have been carried out.

The city's director of housing, Barry Glover, has written to each tenant in the 10, eight- and

By Alan Thompson

seven-storey blocks in the city telling them "the personal balconies could be suspect if the reinforcing in the supports has corroded".

Leeds had a survey carried out by structural engineers Robinsons of Bradford last year as part

of Government requirements for local authorities to inspect their large panel system-built dwellings.

Now the engineers want to carry out further checks on the metal supports within the concrete of the cantilever balconies. They also want to carry out some destructive testing of the blocks to see if they comply with the original specifications.

Leeds is a council committed to solving its system-built housing crisis. But with 145 system-built towers including 24 Reema blocks — probably the highest concentration of the problem block in any one city — and 24,000 system-built houses,

the city is in grave difficulties.

The latest estimate to put the city's crumbling and defective housing in order is £650 million, a figure that is out of reach for the council. The Government is reluctant to provide any extra cash to help the city's particular problems.

£50,000 grant for RIBA project fund

THE RIBA'S fund for helping community groups has been given £49,275 this year from the DoE.

The Community Projects Fund contributes towards the cost of professional advice during the feasibility study for community schemes, and since its start in 1982 has helped 232 projects.

It pays 50 per cent of the costs up to a limit of £750 on English projects involving refurbishment, renovation, new building or environmental improvements.

The institute believes that if community schemes can be planned in a professional man-

ner they have a better chance of success.

Recent applications for funding have included a scheme to improve the environment around high-rise flats in Smethwick, the conversion of a gaol in Gloucestershire into an arts centre, workshops and museum, community centres in Oxford and Newcastle and plans for a working urban farm in the Wirral.

The project fund is now seeking new applications. Details are available from Lynne Hutton, Community Projects Fund, 66 Portland Place, London W1N 4AD or from RIBA regional offices.

Unsavory for planners

MILLIONAIRE businessman Peter de Savary has upset Kennet council planners.

His dramatic transformation of a Tudor house at Littlecot into a theme park has been carried out without planning permission.

Although it opened on May 6, the council has still not received an application.

Reports suggest there could be up to three dozen breaches of legislation and the council is thinking of issuing enforcement notices.

Towers to tumble

TWO more blocks of flats in Rochester, Kent, are due to be demolished this month by Medway council because they are "socially undesirable" and "structurally unsound".

The council demolished one block earlier this year, and blew up two more blocks last weekend for the same reasons.

Medway now plans to sell the three vacant town centre plots to private developers, but will be encouraging buyers to build some low-cost housing for rent or sale to council tenants.

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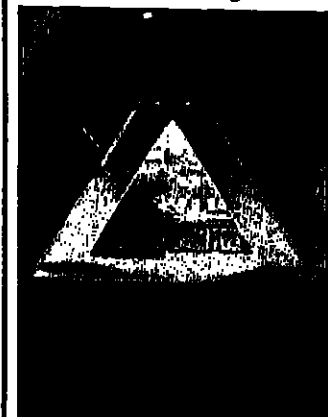
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Talworth Tower, Kingston Bypass by Richard Selfert, 1961.



Glasgow's shopping centres are on the increase, with British Rail's announcement of a £1.35 million retail scheme for Glasgow Central Station (right), and the opening of the £2.5 million Briggait Centre in the former Fish Market building (above).

The Briggait, designed by the Glasgow co-op Assist, is a multi-purpose mixed retailing and entertainment complex on the lines of Covent Garden.

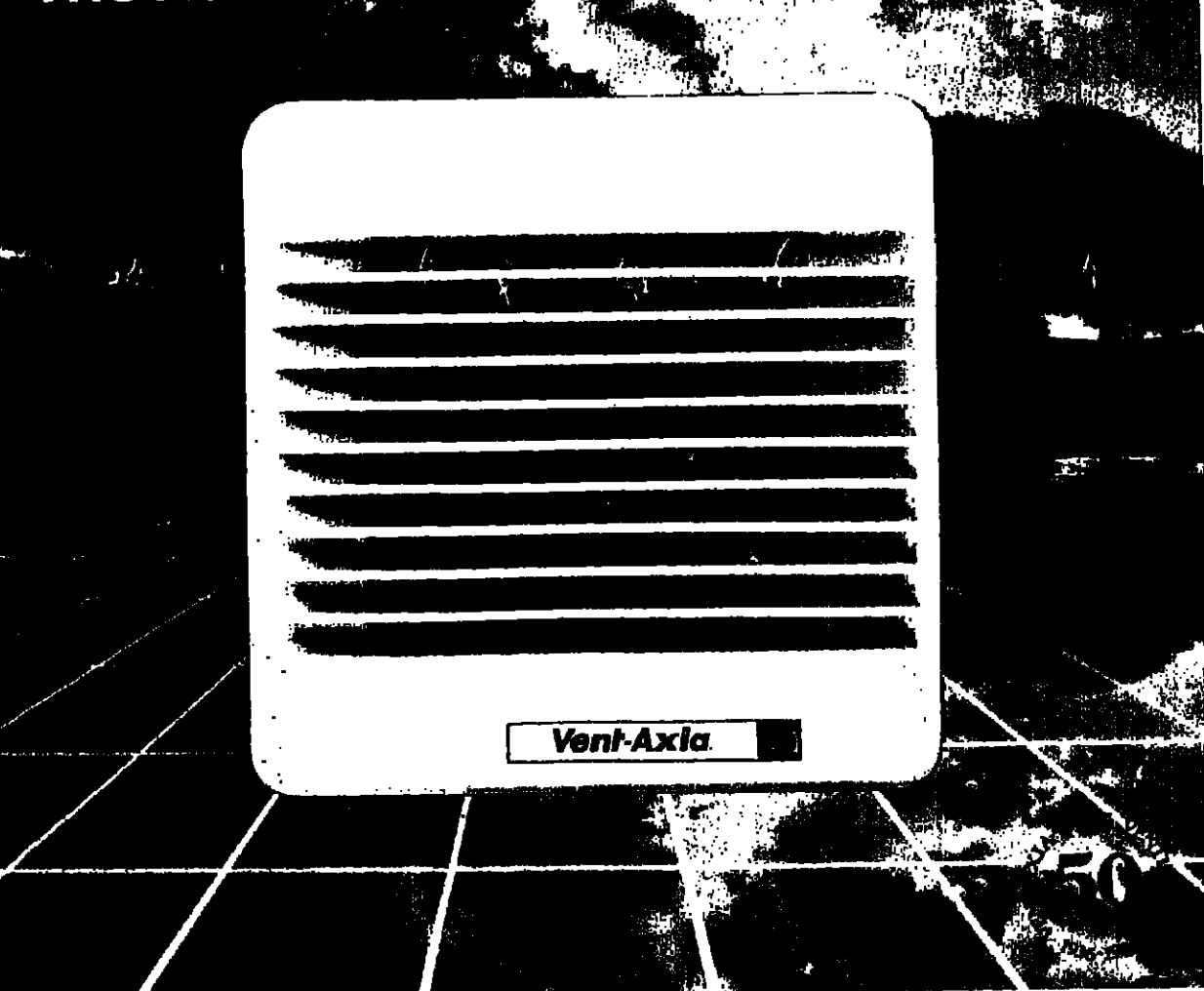
It is one of Glasgow's most ambitious inner-city development projects, and is a joint venture by a public trust and Prudential Assurance.

BR's plans for the country's first station shopping centre, designed in-house, will provide 1,550sq m of mixed retail units inside the station, and more shopping in the listed "carpeted" building on the western side of the station.

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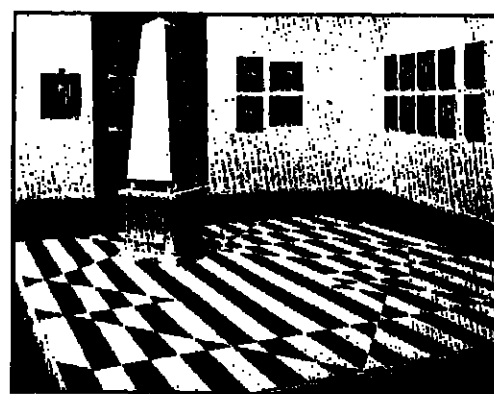
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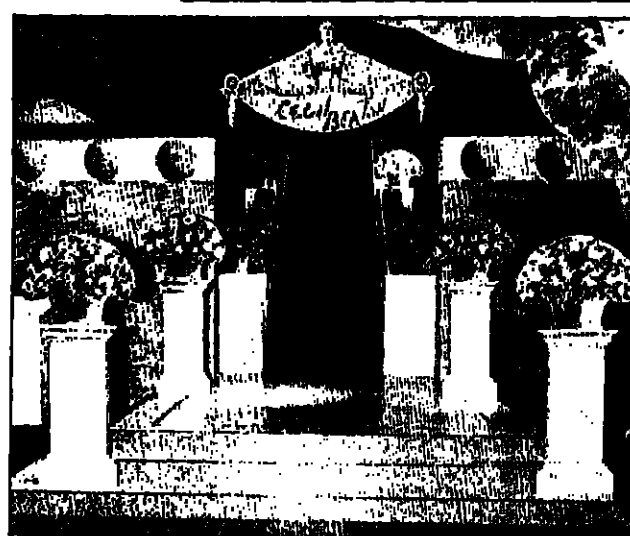
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Taking the floor with Cecil Beaton...

Floors don't usually get much of a look in an exhibition — especially when it is of photographs. But David Bentham's design for the Cecil Beaton exhibition at the Barbican is particularly notable for its diversions underfoot, helping to guide visitors from mock interior to mock interior, around the characterless void of the Barbican Centre. Cecil Beaton may have approved of the fantasy. Floor vinyls are by Amico. The exhibition runs until August 10.



Out-of-town shopping takes over from cities

OUT-OF-TOWN shopping centre developments have overtaken city centre schemes according to property consultants Hillier Parker.

A report by the firm, *Shopping Schemes in the Pipeline*, says that 50 per cent of development proposals in the year up to March 1986 were for out-of-town schemes.

This figure rose to almost 80 per cent of all proposals mon-

itored during March to June. Overall, shopping centre construction is up by over 50 per cent on last year with 197 schemes covering a total of 2,799,000sq m on site or with planning consent in March.

The report also identifies a new breed of promoter. It says the older established shopping developers are still concentrating on town centre schemes, leaving the way open for fresh blood to enter the market.

The last 20 years have seen significant changes in activity levels among Britain's main development companies. Four

All change for Price in Camden

PLANS for a major £100m refurbishment of Cedric Price's interaction building in Camden are being considered by the borough council's resource committee.

If Camden agree to the funding, work on rearranging the Portakabin units and extending the building to create more internal space in the renamed Interchange building could start early next year.

Price's building, constructed in 1975 for a community-based theatre group, was designed to accommodate layout changes.

Price is not involved in new plans which are by law change's community architecture group, but said it was "good" that the building was being changed.

Marina gets go-ahead

ASSOCIATED British Pot has given the go-ahead for a £10 million commercial and leisure development centred around a marina at Southampton's Tor Quay.

Architects Hedley Green will begin a five-year development scheme that includes 12 flats, 18,000sq m of offices, 6,300sq m of shops and restaurants.

The former Harbour Board office, a listed building, will be retained and renovated.

The first phase is scheduled for completion by next summer.

Ulster grant cutback

HOUSING repair grants for Northern Ireland are to be drastically cut following a 13 per cent reduction in funds.

Under the new regulations, only homes built before 1981 with a net value of £325 or less per year will be eligible.

Grant applications already approved under the previous regulations will, however, be honoured.

Supremo

WONDERWORLD, the long delayed theme park planned for the outskirts of Corby, Northants, is to have Dennis Spang, an American theme park expert, as managing director of the theme park operation.

'Get tough'

A SURVEY by Friends of the Earth says nearly three-quarters of all county planning officers support stricter conservation controls. It also says planners want tighter controls to combat "agricultural and forestry practices which can cause damage to the environment".

Use class proposals get an institutional welcome

THE RIBA and the Royal Town Planning Institute have given a qualified welcome to the Government's consultation paper on modernising the Use Classes Order.

The Institutes had been highly critical of proposals put forward by the Government's Property Advisory Group, but feel most of their arguments have been accepted in the paper.

The RIBA particularly welcomes the rejection of the PAG suggestion that rules on working from home should be changed. Its reservation is on the

Minister wants more competition

ARCHITECTURAL work could benefit from "open competition" according to environment minister Angela Rumbold.

Speaking at the Chartered Institute of Public Finance & Accountancy annual conference in Bournemouth, she said, "I firmly believe there are many areas of local authority work which would benefit from competition". And she cited printing, architectural work, legal services like conveyancing and car park management as obvious examples.

The Government has already set out proposals for compulsory competition in six areas: refuse collection, street cleaning, building cleaning, catering, vehicle maintenance and ground maintenance.

Rumbold told the conference that council spending in these six areas was over £2,000 million each year and that modest savings would yield significant cash savings.

Ridley in green belt approval controversy

ENVIRONMENT secretary Nicholas Ridley has rejected his inspector's recommendations and approved a massive hi-tech business park in the heart of Birmingham's green belt.

Solihull councillors are now considering challenging the decision in the High Court.

Local Tory MP Iain Mills said he was "appalled" at the decision.

"It is an unforgivable use of the green belt and leaves the area in total confusion as to what will happen if Birmingham gets the Olympic Games," he said.

Architects Michael Aukett & Associates are drawing up the park's masterplan for developer Arlington Securities.

A spokesman for Arlington said the park will start on site as soon as possible.

"However cavalier the decision appears, there are a large number of conditions that will protect the site and make sure that it is developed cohesively," he said.

Arlington says more than 12 practices will be involved in the design, which will include landscaping and recreation.

Councils wage war on illegal demolition work

WESTMINSTER council won a High Court injunction last week to prevent further destruction of a listed Grade II Georgian house.

The house, in Sale Place, had already been partially demolished by the owner.

The roof, the roof structure, and the front wall had all been removed. Westminster said the injunction was "now a matter of urgency".

Mr Justice MacPherson said the defendant was clearly intending to flout the planning laws and demolish the building

without listed building consent.

"He must be stopped in his tracks," he declared.

The defendant will be forced to rebuild and restore the house to its original state.

Meanwhile unauthorised demolition of a listed building in Hertfordshire has been successfully challenged by North Hertfordshire District Council.

The defendants' case rested on the urgent need for the work in the interest of public safety, and the failure of council officials to inspect the site before demolition began.

The judge rejected their claim under Section 53(1) of the Town

& Country Planning Act, ordered that the defendants pay all the costs incurred in the case, and fined them a total of £6,000.

There has been growing alarm over illegal demolition of listed buildings, highlighted by a case involving Camden council and one of the Inns of Court, which is displaying what had been under demolition and alteration.

Letters page 10

Prize for a vision of the future

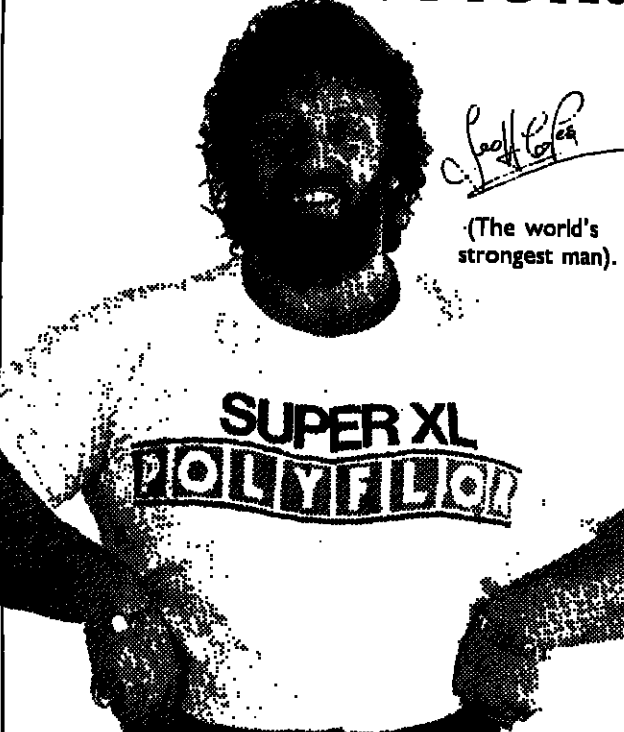
THE first Los Angeles Prize international competition has drawn together "one of the most prestigious architectural juries ever assembled", claim the organisers.

Richard Rogers is the British representative, and will be sitting in the company of science fiction author Ray Bradbury, 1986 AIA gold medalist Arthur Erickson, Pritzker Prize winners Hans Hollein and Richard Meier, and architectural visionary Paolo Soleri.

The ideas competition, which has a \$10,000 first prize, is being run by the LA chapter of the American Institute of Architects and is open internationally to all architects and related design and science professionals.

This year's subject is "Visions of architecture in the year 2010". Details on receipt of a \$30 entry fee, to be sent to the Los Angeles Chapter/AIA, 8687 Melrose Avenue, Suite M-72, Los Angeles, California 90069.

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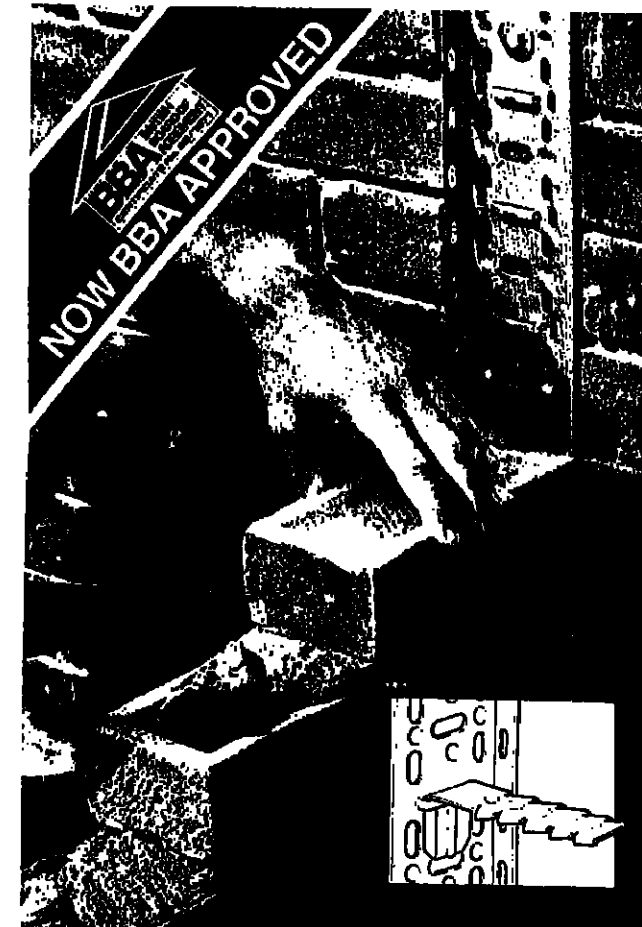
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Heartbreak behind agreement over new Globe Theatre

DESPITE promoter Sam Wanamaker's victory in the Globe Theatre case last week, the long delay has caused a serious setback to the scheme, according to its architect Theo Crosby.

In an out-of-court settlement Southwark council agreed to pay £7.2 million to developer Demo Estates for the 0.8ha development site, and to give the Shakespeare Globe Trust a 125-year lease on 0.3ha of the land at a peppercorn rent.

The council had pulled out of a deal with the two in 1984, claiming it could not relocate a road-sweeper's depot on the site.

Crosby commented: "Because of this debacle, all the fundraising went haywire and offices all over America had to be closed down. All this will have to be set in motion again."

In addition, the scheme will have to go through London's post-GLC planning system, which he described as "an amazing tangle of regulations".

"We are delighted, but huge damage has been done and it's going to be a hard slog. We are two years behind the programme we had in 1983 but we have just got to pick up the parts and put them together."

The project involves a reconstruction of Shakespeare's open-air wooden Globe Theatre, using medieval construction methods. There will also be a smaller enclosed theatre, housing and educational and leisure facilities.

Film-maker Wanamaker, who has backed the scheme for 15 years, now hopes to be able to

lay the foundation stone next summer with completion in another three to four years.

A spokesman for Southwark council said the scheme was not guaranteed planning permission, but the council accepted what had happened and was broadly in favour of it.

University challenge

ARCHITECTS Colquhoun & Miller have triumphed over several top designers to win the competition for a major development of the Addenbrooke's Hospital site in Cambridge for the city's university.

And an exhibition of the winning design and the five runner-up entries will be launched on Monday (July 7) at Pembroke College.

The runners-up are Richard Rogers Partnership, RMJM London, Michael Hopkins & Partners, Casson Conder Partnership, and Cambridge Design.

Colquhoun & Miller's scheme will provide new accommodation for the university's biological science faculty in two stages, with the first £5 million stage due to go on site next spring.

Wound up

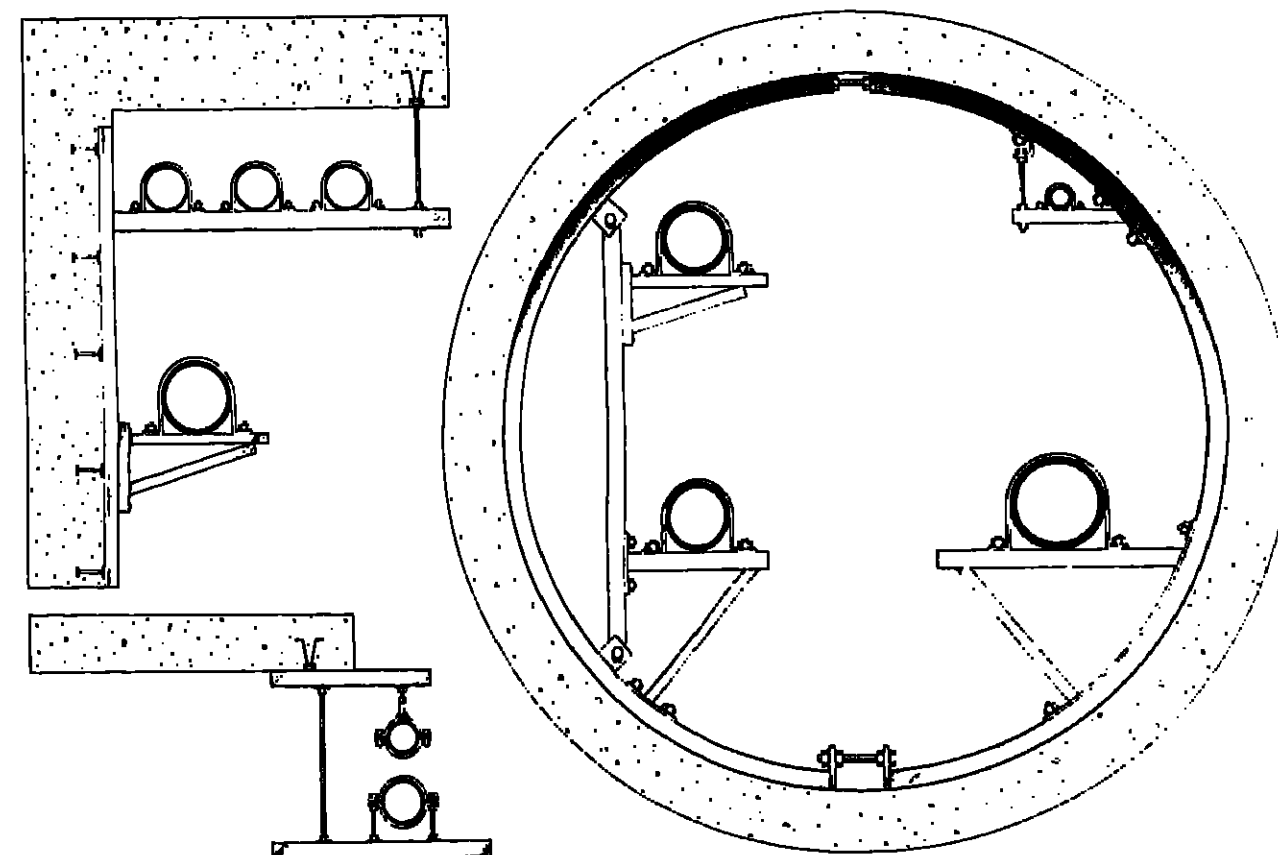
MILTON Keynes Development Corporation is to be wound up on April 1, 1992, the DoE has announced.

Gold medal award

Arata Isozaki (left) will receive his Royal Gold Medal for architecture at the RIBA next Tuesday.

Richard Rogers and Peter Cook have been chosen by Isozaki to speak about his work, which ranges from modernism to hi-tech to classicism.

Isozaki's first major British exhibition opens at the 91 Gallery in London on Monday and he will also be present at the RIBA conference later that week, when he joins the "Theory of Cities" discussion on Friday, July 11 with Rob Krier and Denise Scott-Brown. Details and tickets from RIBA Events, 01-580 5533.



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Insulation guide for architects

SPECIFYING insulation for buildings should be much easier for architects following the publication of a new manual by Eurisol, the UK Mineral Wool Association.

It covers the use of mineral wool for thermal and acoustic insulation and its fire performance, and contains a full set of annotated drawings for its application in walls, floors and roofs.

The manual is being sent to every British architects office in the next month.

Further copies can be obtained for £10 from Eurisol, St Paul's House, Edison Road, Bromley, Kent BR2 0EP, 01-466 6719.

Memorial winner

MICHAEL Ng, a student at the Cambridge School, is this year's winner of the Michael Ventris Memorial Award.

He will be studying the application of Chinese philosophies in the design of traditional architecture and cities. The £700 award will allow him to visit archaeological sites in China.

Home glow

ONLY 5 per cent of the British are dissatisfied with their housing according to a survey published by the Building Societies Association.

Hampton Court findings go to Ridley

THE findings of a special inquiry into the fire at Hampton Court last April have been sent to environment secretary Nicholas Ridley.

The report, produced by a team headed by Sir John Garlick, will reveal the cause of the blaze which killed Lady Gale and destroyed part of the south wing.

The cause of the fire was thought to have been from a candle or cigarette accidentally dropped by Lady Gale in her room, but fire officers told *BD* that the fire was in fact caused by faulty electrical wiring under the floor boards.

The Property Services Agency now says that this is "speculation" and refuses to comment on the report, which remains confidential until it has been seen by Ridley.

The fire alarms which were installed in 1982 did not work satisfactorily after workmen at Hampton Court failed to reset them properly, the inquiry is believed to have found.

Rival schemes compete in Handsworth renewal

A £3 million scheme backed by local traders to replace shops in riot-torn Handsworth is facing competition from an alternative proposed by a local development company, and shown to Prince Charles on his visit to Birmingham last week.

Community architects Waites Cassidy Ashton have designed

a replacement scheme for shops in the Lozells Road area in an attempt to give a commercial

By Amanda Baillieu

heart to an area of previously scattered shopping.

The architects, who hoped that the scheme would get full planning permission this month,

Government picks up a bill for 8,000 renewals

MORE than 8,000 dwellings on housing estates in the North West, North East and London are to be refurbished and largely sold off — and the Government will be footing the £25 million modernisation bill.

The DoE's Urban Housing Renewal Unit has approved plans to upgrade security, heating systems, layout and environment

to 10 estates. They are: St Abbs Walk in Hartlepool; Willington Square, North Tyneside; Perth Gardens, also North Tyneside; North Kenton, Newcastle; Huncoat, Hyndburn; Kirkholt, Rochdale; Miles Platting, Manchester; New Bury, Bolton; Newtown Court, Hull; and Clements Avenue, London Borough of Newham.

now fear that city planners will favour a second scheme to refurbish shops on the south side of Lozells Road for workshops.

David Waites, West Midlands community architecture coordinator and a member of the RIBA's Community Architecture Group, said that the new scheme had been shown to the Prince without the prior knowledge of the traders' association, which is angry that its project was ignored.

The development group, Midlands Industrial Association, has commissioned local architect Gwynn Roberts to draw up the refurbishment scheme for properties that Birmingham council has once recommended for demolition.

Waites told *BD* that MIA's scheme had "come through the back door. This is not what community architecture is about," he said.

A council spokesman admitted that a 1981 report said the properties were in too poor

condition to refurbish. But MIA's proposals for workshops are popular with the council as a way of soaking up Handsworth's massive unemployment he said.

Meanwhile riot victims are still waiting for their promised compensation payments from West Midlands Health Authority. In 10 months only £300,000 of the expected £5 million compensation has been paid.

Waites said that the delay could mean that local people will lose interest in the scheme.

There has been no new building work in Handsworth since the riots destroyed 50 homes and shops last September.

The council is planning to put up a temporary building to house dispossessed traders but it has been described by Waites as "simply a tin shed that is not at all right for the area".

He has written to Prince Charles expressing his concern over the rival proposal.



Fleet Street landmark

Faced with the major refurbishment of this 1960s office block, the 10 Partnership went for bold rather than subtle re-cladding of the building's salmon pink granite.

The addition of new bay window wrapping around the corner's Chancery Lane and Fleet Street, the removal of the original cast column, has made the building (which only recently bore a dangerous structure notice) a landmark in the area.

YRM also carried out the interior refurbishment including new staircase, a Dallas-style lobby in Brazilian granite, and suspended metal floor for the 6 conditioning.

Divis flats 'will be demolished'

A DoE document leaked to the *Irish News* has revealed that the Divis flats in Belfast — described as the most appalling living conditions in Britain — are to be demolished.

The Town & Country Planning Association which has actively campaigned to have the blocks pulled down said it was delighted at the announcement.

If demolition does go ahead — which DoE officials are claiming is still speculation — it will be seen as a reversal of DoE policy, which has always argued for piecemeal demolition.

The TCPA is now working on a replacement scheme with Divis residents, but says it is hampered by lack of funds.

Agency aid for council

THE enabling agency PROBE has announced its first major multi-million pound building package with Thamesdown Borough Council.

Partnership Renewal of the Built Environment's package includes a community centre, homes for single people, the elderly and first-time buyers, a local health facility for the handicapped, and public open space.

PROBE was founded last year by the Lovell Group, and the Halifax and Nationwide Building Societies.

SOM and YRM win first Canary Wharf design competition

SOM and YRM have won the first design competition for a major office block within the massive Canary Wharf development.

The American-British team have led the masterplanning of the whole £2 billion scheme, but had to undergo a limited competition exercise to be chosen as architects for a 45,000sq m office dealing-floor scheme for bankers Morgan Stanley, part of the Canary Wharf Consortium.

The block will be part of the podium development, not one of the three controversial towers.

SOM/YRM were interviewed for the job, and did not have to produce any formal designs.

Other practices invited to bid for the work are understood to have included Covell Matthews Wheatley, Fitzroy Robinson, Heery International and Elsom Pack & Roberts.

The only other definite taker of space within the scheme is Credit Suisse, which will require a similar development for which architects are being approached.

The three towers are still up for grabs — the consortium

wants at least two of them to be taken outright by a single client.

Midland Bank, which withdrew its petition to the Commons inquiry into the Dock-

lands Light Railway bill, is discussing taking possibly upwards of 100,000sq m, and so could be a candidate for a tower.

Meanwhile, after the DLR bill cleared its major hurdle of the MPs inquiry, the consortium is now pressing ahead with plans to start on site.

Licences are being sorted out with the London Docklands Development Corporation for the biggest scheme in Britain to begin with a programme of demolition and testing in West India Dock. The consortium

Designed by Bradshaw Rowe

Thurrock park escapes inquiry

THE DoE has decided not to hold a public inquiry into one of the country's biggest out of town retail developments, a 40,000sq m scheme by the M25 at Thurrock.

Designed by Bradshaw Rowe



Ireland's best-known and most controversial architect, Sam Stephenson (above left), is seen here receiving the Gold Medal of the Royal Institute of Architects in Ireland from the Irish president, Dr Patrick Hillery.

The presentation last week is for the 1977 to 1979 period, and honours Stephenson's Currency Centre building at Sandycove, near Dublin (landscaping below), which although the equivalent of Fort Knox manages to create a relaxed and soft environment for workers.

Stephenson was also highly com-

mended in the awards for his Bord Na Mona offices at Lower Bagin Street, Dublin. The five-storey T-shaped office building is clad in Wicklow granite and grey reflective glass, and set in landscaped surroundings. The whole impressed the judges for its successful mix of a modern building with a Georgian street scene.

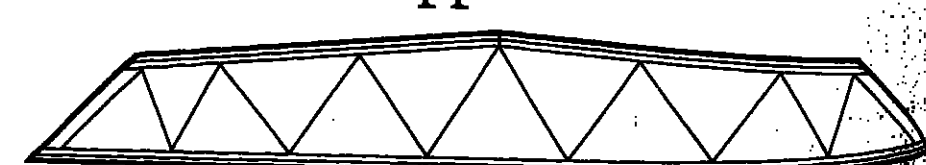
American post-modernist guru Michael Graves may have a slightly different view of Stephenson's abilities, following their recent locking of horns over Dublin's modern architecture, and Stephenson's Civic Centre.



Flat. Or fizzy?

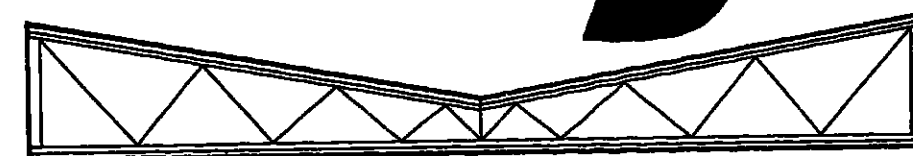
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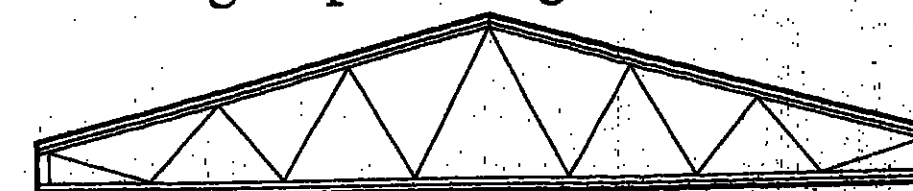
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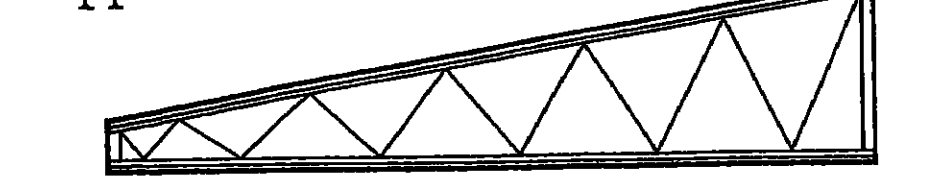


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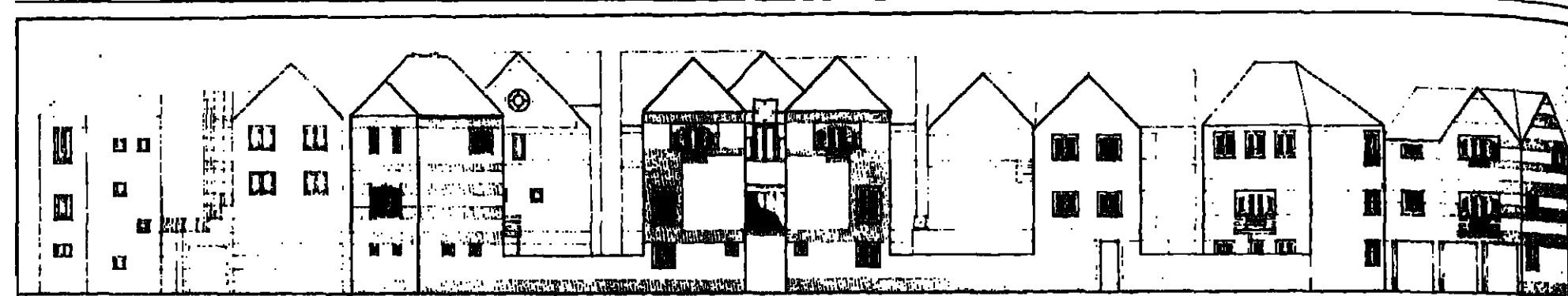
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News in pictures



Sophisticated self-build

Comprehensive Design Partnership are architects for 18 houses being put up by the Riverside Self-Build Housing Association in Garnet Street, Wapping, East London (above).

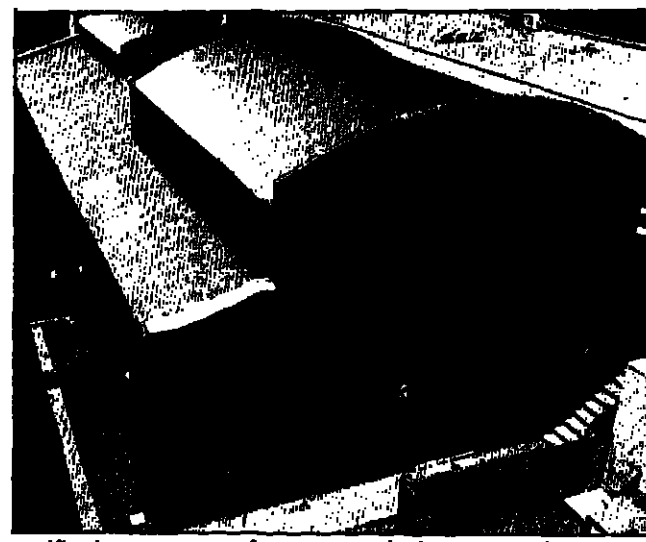
The design promises a much more sophisticated, decorative quality than the average self-build, with individual homes unified by a common elevational treatment of blue and yellow brick banding. Roofs are finished with blue-black composite slates, windows and door frames of stained timber, and painted steel balustrades. The project is one of the first carried out by CDP's new London office.



Magnetic field

This is by far the most attractive building (above right, and left) to have come into BD's offices all week — and it does not look bad either.

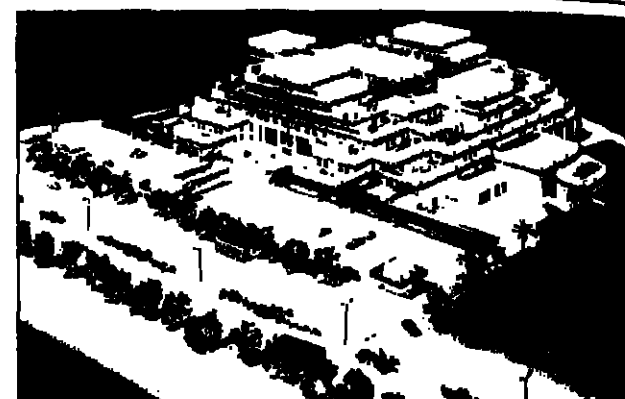
But architects Norman & Dawbarn found the attractiveness of this new diagnostic unit at the Royal Marsden Hospital, Sutton, Surrey, quite a problem when designing it. The reason is that it contains a magnetic resonance scanner at its centre with a magnetic field 40,000 times greater than that of the Earth. It meant a radical rethink in the



specification to create a ferrous material exclusion zone of 15m around the scanner.

From the services, to the structure, to the exclusion of items like steel roof tiles and the opting for profile aluminium roof and cladding, the designers found they had to work out a

completely new approach. The £200,000 building is the first of its kind, but project architect Peter Lindsay said it was unlikely to ever be repeated as the scanner machinery has now become more sophisticated. The equipment enables a wholly non-invasive view of the human body.

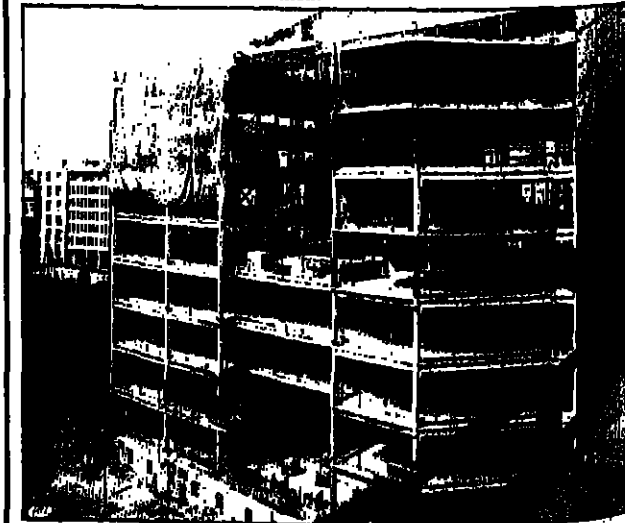


Egyptian influence

The Percy Thomas Partnership have taken a little inspiration from of Egyptian architects in the design of this 300-bed hospital in Calro (above). The Pyramid Hospital is a nine-storey, stepped structure arranged around central courtyard, with wards on the perimeter of the building. It is scheduled to be built in 140 weeks at a cost of £25 million and to allow expansion by 300 beds in two further phases.



Relax & Hall celebrated their 21st birthday in a style befitting the ups and downs of architectural practice (above): they brought in a troupe of clowns and fire-eaters to their party in Moray Place Gardens, Edinburgh. The partners (in black ties, from left, Alistair Miller, Stuart Rennie, Ian Dostock, Leslie Mitchell, John Spenceley and, with their feet on the ground, the founders Eric Hall and Alan Relax.



Infill

Starting Price

Fine Art in the high street

CHEERED by your support for my design partiality at the Commission, I would be moved to hear your views on my crusade against the High Street "visual shouting match". Ecumenically, NSIJS, Carlton House Terrace.

Your latest parable strikes me as a little silly. Presumably you would have deplored the staggeringly vulgar white and gold fascias that were cascaded by J Lyons on to so many polite High Streets and, for new buildings, objected strongly to the horizontal lines with its floodlighting and neon of Simpsons in Piccadilly — then predominantly Edwardian and Georgian in appearance. I think I prefer Colin Amery's wistful observation that "one would not expect to buy frozen peas in a Cathedral", although on the other hand...

Fighting talk-in

SOD me, I'm the only architect speaking at the "One Year On" conference on the Duke of Edinburgh's inquiry into British housing. What's up! OL, EXPRIBA.

I think it's a bloody disgrace; I share your pique as I do President Rolland's concern with the, to say the least, cavalier attitudes currently being displayed by the RICS. I note their vice-president is your chairman and that you share the day with a banker, a bishop, a journalist and a developer — well good luck.

Off-flight service

AS you doubtless know, since the success of the Washington airports, me and my nifty conglomerate are interested in the privatisation of the British Airports Authority. We're not too good on architecture so I was wondering if you would give me some unpaid advice on airport terminals. Yours smillingly, Tiny R, Cheapside EC2.

Still up to your old tricks, eh? Well there appear to be two current views held on desirable design of these threosome exchange points. The first is that they should be entirely visually self-contained, displaying the latest in carpets, furniture and fittings, with a yet further self-contained variety of time wasters — silly food stalls and tricky bars. The second view is that they should enable the users to be continuously aware of the shape and size of that for which they wait — whether planes or cabs. In both cases elaborate attention is given to the mechanical and electrical services. However, recently I experienced a third most successful

New left review

IF I were to become its editor, I would want the *New Statesman* to be the best weekly of the heap. Do you think there should be an architecture ingredient? JL, Bracken House.

Absolutely essential — the current national weekly menu is rather limited, catering predominantly for those with a sweet tooth and a short memory to match their haircuts. Find someone considerably younger than yourself — and look up some past NS gems by Reynier Banham and Stephen Mullin.

The Hurd instinct

DESPITE all the dirty washing the PM throws my way, I managed to triumph over the hippies — didn't I. Yours with conceit, Rt Hon D H, Queen Anne's Gate.

No you didn't. You'd have done a damned sight better had you linked with the National Trust and the British Tourist Authority to make an international asset out of the whole affair. Remember, landowners are trying to find new uses for their acres as food is off. On the very same day that Salisbury banned the hippies *The Times* ran this item:

Peak buy

The National Trust has bought Kinder Scout in the Peak District, the site on Park Hall Moor of the 1932 ramblers' mass trespass. The trust now protects nearly 40,000 acres of the Peak National Park.

Don't you novelists ever learn from real life?

Quay Largo

I HOPE you approve of my clever wheeze at Heron Quay. Three times the original area and we're nowhere near finished — that's calculated uncertainty for you. Jubilantly, PH, LJ&H.

Great — I'm proud of you. What I particularly like is the sensitive waterscape, whereby as the proportions of water to building vary, so also do the resultant users. Isn't that a gondola I spot in your drawing? Doubtless when left with the width of a ditch, frogs will be introduced.

Cedric Price

BUILDING DESIGN

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The Editor's Comment



appropriate and would fit with Southwark's apparent conversion to the merits of the proposal. A spokesman told us this week that the council is "broadly in favour" of the proposed design. As I argued in this column long ago, this story should turn into *All's Well That Ends Well* from its unhappy history as *Comedy of Errors*. It looks as though it has done so, and we can only congratulate Wannamaker and Crosby for their persistence in the face of the unacceptable face of local authority intransigence. One suggestion: when the Globe is built, perhaps they should turn their attentions to another nearby riverside site surely ripe for development as a historical showpiece — the site where the Mayflower was built.

Backing for the Bard

THE curious story of attempts to rebuild the Globe Theatre, Shakespeare's theatre, in the London Borough of Southwark now appears to be drawing to a conclusion — in the sense that it is now just a question of building the thing, and of course raising the necessary finance. That is the result of Sam Wannamaker's legal action to force the council to honour an agreement it made, only to go back on it at a later stage when louder elements won control of the authority (I do not use the phrase "loony left" since there is no detectable socialism in the antics of these people).

What is the implication for Southwark ratepayers? The plus side, assuming Mr Wannamaker can deliver the goods, will be a magnet for every tourist who visits London, quite apart from the merits of having such a theatre, designed by Theo Crosby of Pentagram. Ratepayers can expect a substantial boost of employment opportunities and income in the area. They are entitled to expect

something, since the behaviour of their elected representatives has resulted in an out-of-court settlement of more than £7 million; when figures like this are involved, you begin to wonder if surcharging and disqualification are sufficient penalties for some councillors, and whether a gaol sentence for criminal negligence would not be more appropriate. It is a grim irony that a council which is forever squealing and whining about lack of resources should squander such an enormous sum in so reckless a manner.

What, after all, was the excuse that Southwark advanced for backing out of its agreement with the promoters of the scheme? Why, that it would be impossible to relocate a dozen rubbish collectors and their carts. This palpable nonsense was supported, among other people, by Wannamaker's own daughter, which the Bard would surely have taken as inspiration for a tragic scene. Will we now see a reconciliation? It would be

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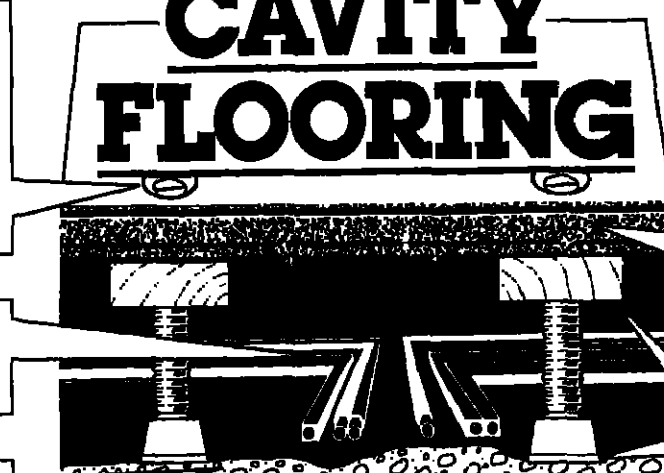
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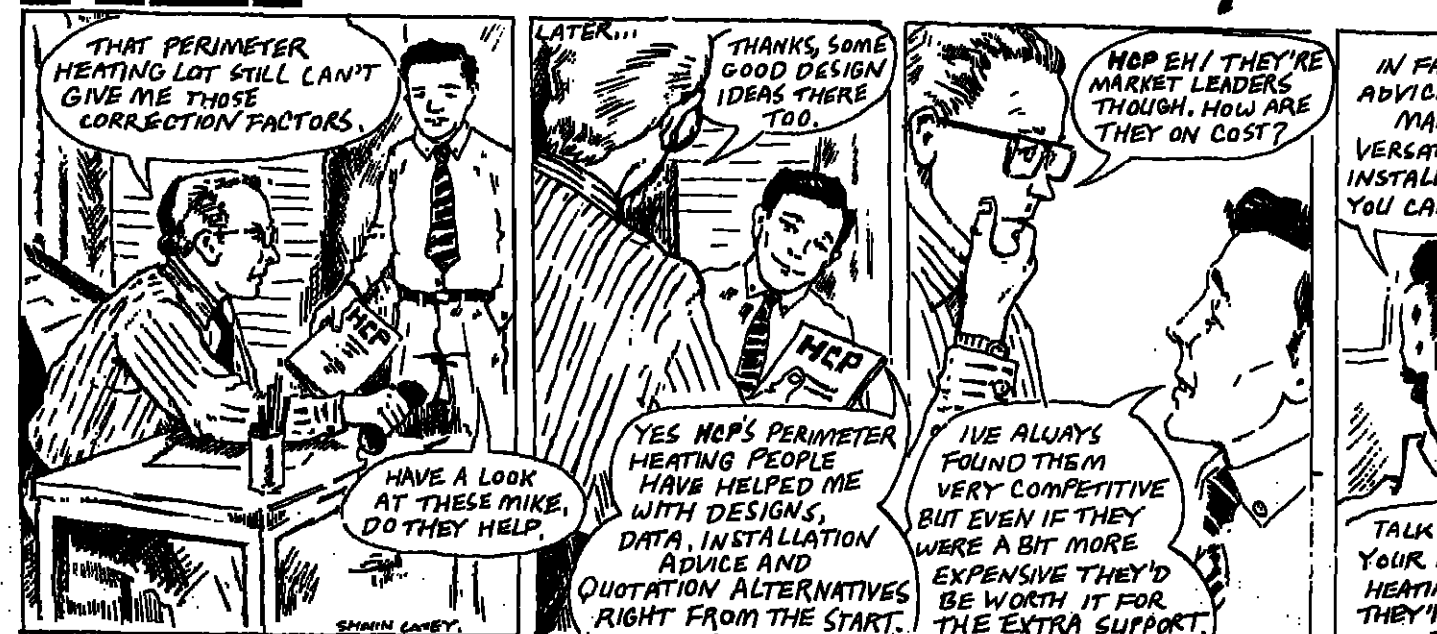
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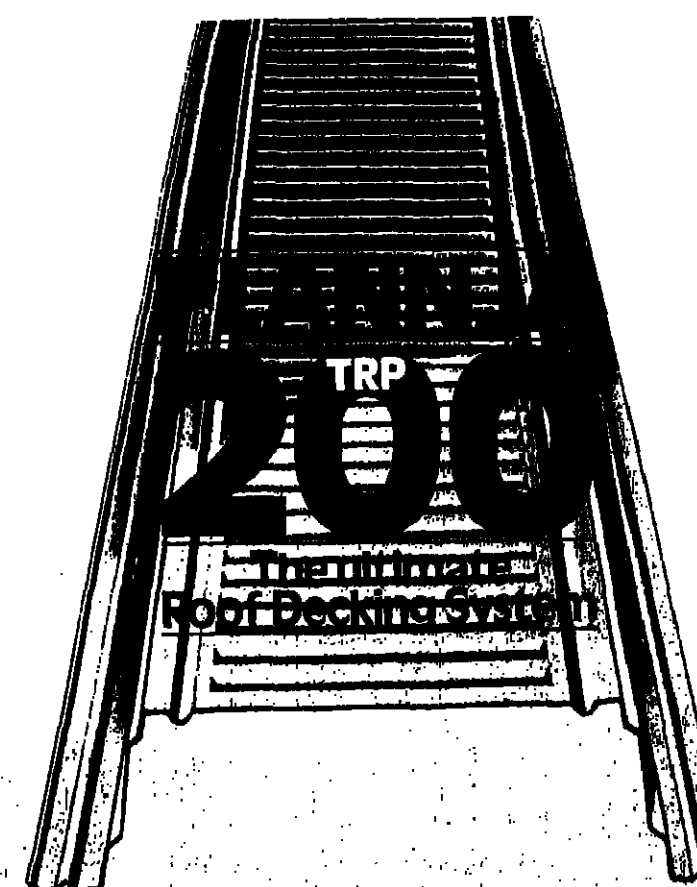


Keeping up with the times in EC2

It is likely that by the time you read this view will have changed, given the accelerated pace of change shown by the Rosehatch Group (above) is the 10,000sqm Rosehatch Avenue Phase III, which started on site on January 6, was topped out by June 17, and is due for completion before the end of the year. Designed by Arup Associates, built by Lang Management, the structural steel frame clad, curtain walling with glass and aluminium. Perhaps it is as well they are fast — No 1 Finsbury Avenue, Arup Associates, is already refurbishing a year after completion, catch up with the post Big Bang of the City office market.

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RIBA backs public sector

From George Oldham, chairman, RIBA Public Sector Group. PUBLIC sector architects will have read in their June 20 *BD* that, in the president's absence, secretary Patrick Harrison impressed upon North West Thames Regional Health Authority the RIBA's firm opposition to proposals for the privatisation of in-house building and design services which are due for submission to a health authority board meeting next month.

They may, however, feel that this support has been effectively undermined when they encounter an article in the same publication by the RIBA's director of public affairs in which the newly appointed Secretary of State for the Environment, Nicholas Ridley, is urged to devote more resources to shifting responsibility for the management of public property away from the "paternalistic public sector" and is alerted to the availability of community architects who can help to "overcome the inertia of local government".

As chairman of the Public Sector Group, I would like to reassure members that RIBA Council has not changed its stated policy of support for the work of local government architects in the management and care of the nation's public building stock.

I am surprised that a senior RIBA employee is not aware of initiatives taken recently to promote efficient use of the building stock and would point out that however well-intended and helpful community schemes may be, they are unable to offer the continued commitment now provided through local authority services.

George Oldham
London W1

Baptising selfishness

From Peter Benwell, president, Society of Chief Architects of Local Authorities. DAVID Atwell makes some very interesting points (June 20) upon which I comment as follows:—

- VAT on repairs. I agree wholeheartedly that VAT should be removed. It would be a great help towards improving, or more like redeeming, the sad state of the nation's building stock. Local authorities may be exempt from VAT but the whole business of taxing the basic essentials of life is quite inequitable.
- Privatisation. Shifting res-

ponsibility for housing away from these-called "paternalistic public sector" towards more self-help in the private sector on a community basis takes some understanding. What does "paternalistic" mean? After all, the local authority is the democratically elected representative of the community. It is so easy to "knock" the establishment since it is a substantial target. Referring to "the inertia of local government" is a typical example of unwarranted and biased journalism. Many local authorities have demonstrated enormous energy and commitment in trying to protect and manage their property stocks against overwhelming odds of expenditure reductions, and open hostility from the cynics who cannot be bothered to relate cause and effect. The best of local government practice is at least the match for the best of the rest.

In any case, who really believes that wholesale privatisation is the best method for the procurement of services? It is the extremism of political dogma. In a recent radio programme I believe Lord Soper was heard to say these words: "Privatisation is like baptising selfishness with a hosepipe".

In local government we have long practised partnership between public and private sector resources. This is surely a more balanced view and one which ought to guide our actions.

● Regional development. It makes very good sense to promote regional development for the north, provided the government really does intend to grasp the nettle of our divided nation. The gap appears to be widening almost daily, and far too little is being done to counter the effects of decline. Let it be remembered that the greatness of Britain was founded upon its material and industrial resources most of which was based in the northern half of the nation.

● Capital receipts. It is quite reprehensible that local authorities should be deliberately prevented by the Government from recycling the benefits from the sales of surplus properties and other capital assets. How can we make the best of what we have, if we are prevented by dogmatic assertion and prejudicial manipulation of vital resources? Having said this, I do believe the Government recognises the unpalatable nature of its policy, and has set out a better prospectus on how we should pay for, and manage, all local government services.

Peter Benwell
Durham

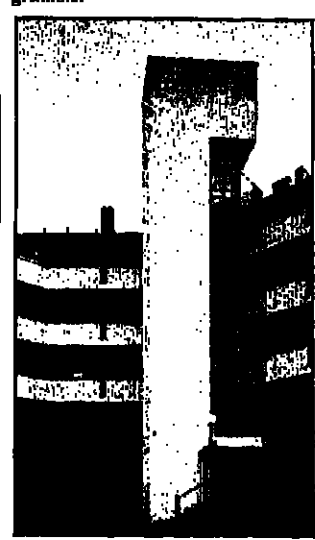
DoE's crude yardstick

From Charles Thomson, Rock Townsend. ROCK Townsend are architects for one of the projects described in the article on Islington's Estate Action Programme in *Building Design* (May 2).

You mention correctly that the DoE is now insisting on reductions in costs and standards and has drawn invidious comparisons between the Islington programme and those being undertaken in the private sector. I believe the assertion that the private sector is generally achieving "better value for money" is questionable. It



Above: Buildings on the Brecknock Road Estate before and (below) after Rock Townsend's conversion for Islington's Estate Action Programme.



would be useful to have more facts to allow the subject to be debated sensibly. Perhaps this is something *BD* could instigate. The questions which need to be asked are:

- What are the differences in standards of planning, building, servicing and finish between comparable buildings in the public and private sectors?
- What are the anticipated costs of running and maintaining dwellings during their planned life?

● Where does the burden of expenditure fall for capital and running costs in each sector? When it talks about value for money the DoE appears interested only in capital costs and not running costs. It appears to think in terms of unit costs and not unit type, and in terms of costs and not standards. These are crude yardsticks for judging our housing stock.

I suspect that a survey would show that the public sector generally does its conversion work to a higher standard than the private sector and that their maintenance repair and running costs (life cycle costs) are lower. I suspect that life cycle costs in the private sector, particularly of rehabilitated properties, are huge and that they are accepted by owner-occupiers partly because the house prices (at least in the south east) continue to move ahead of inflation as demand outstrips supply.

The public sector has had to learn some horrifying lessons from the rush to build fast and tall in the 1950s and 60s and it has inherited a large and inappropriate housing stock. The notion of what constitutes decent accommodation has become rather more refined in recent years, although undoubtedly not refined enough.

Islington is attempting in its Estate Action Programme to provide decent accommodation in a pleasant environment with a reasonable expectation of a long life with low life cycle costs. It, and other London boroughs similarly engaged, should be encouraged, and if comparisons with the private sector are to be made (and why not?), let them be made comprehensively and not selectively.

Charles Thomson
London W1

Call for HBC resignation

From Neill Kenmuir. FOR the purposes of the Planning (NI) Order 1972 in relation to listed buildings, the DoE for Northern Ireland appoints a Historic Buildings Council.

Schedule 2(3) of the said order requires that: "The Historic Buildings Council shall prepare and submit to the minister an annual report, and the minister shall lay a copy of the report before each house of parliament".

However, the Historic Buildings Council has not published such a report covering any of the years since the year ended 31st March 31, 1981. This contempt for the requirements of the statutes and for both Houses of Parliament is inexcusable. Therefore, I formally call for the resignation of the chairman and secretary of the Historic Buildings Council (Northern Ireland).

Also, I would ask why the minister concerned did not demand annual reports so that he could lay them before both

houses of parliament as required by the statutes? I understand that for most of the period concerned, the minister responsible was Christopher Patten MP.

Neill Kenmuir
Donaghadee

Designing architects

From Patrick Hodgkinson, director of studies, BArch course, Bath University. RON Macdonald's "Teaching Technology" article (June 27) is a simple lesson most of us in architectural education need to heed before we head for the lecture rooms and studios next October, satisfied that what we have offered is good enough.

I wrote myself ("Syllabus for Architecture", *BD* October 12, 1984) against the bucket theory of lecturing/examination — an extension only of fifth-form practice in scientific subjects — and for the idea of specialists lecturing on clear technological principles only, leaving technological detail in all its diverse aspects to be assimilated and learned together through the design process. The design process must bring all facets of putting a building together to a just balance. It is only by this process that an intuitive feel can be developed.

As visiting critic, external examiner or member of a RIBA visiting board, I see a fair sample of schools in addition to my own. When I look through portfolios or sit at a student's board, I seldom find plans, sections and constructional detail being worked up together to different scales on the same piece of rough paper. I search in vain for a single building idea which understands the relevant technology and simultaneously orders the design. Rather, each aspect of the design is studied separately and for itself — and what else can I expect if each aspect has been analysed separately by separate specialists in the lecture "examination" room.

As Oscar Wilde told us: "Examinations are where the foolish ask questions the wise cannot answer." A theory of structures should not be seen as measures to prevent a building falling down, but to enable it to grow up and flourish. All strength to Macdonald's arm for pointing out that designing an architect is a similar process.

Patrick Hodgkinson
Bath

Who carries the can?

From Jacob Blacker, RIBA London Region Education Group. I READ the letter from Thomas Inglis (June 13) with great curiosity. He seems by inference to suggest that quantity surveyors contain all the skills neces-

sary for the built environment and that it is quite acceptable for the Royal Institution of Chartered Surveyors to claim that they designed the Lloyd's building by Richard Rogers as well as the Hong Kong & Shanghai Bank by Norman Foster.

I did not for one moment consider, nor suggest, that the Government pay money to help architects organise their practice.

My letter referred to funding going into architectural education and demonstrating a need for a greater specialisation in the skills required of architects.

There is no doubt that architects do acquire these skills and do exercise them with great efficiency in their offices, but the process is slow and acquiring only empirically.

There are very few schools which these additional skills being taught and if the Government reduces funding to all its architectural education establishments, not only will these developing skills be eliminated completely, but there will also be a reduction in the number of staff resources going into teaching design.

There is also no doubt that architects are the natural leaders of the building team. One only has to look at the professional indemnity insurance to see who carries the can. Let any quantity surveyor or building surveyor who wishes to take on the liabilities step forward.

Jacob Blacker
London NW3

Standing up for the CAG

From Ian Finlay, Ben Derbyshire and Jim Sneddon, chairman and vice-chairman Community Architecture Group. THE Community Architecture Group is currently involved in a number of initiatives to which it is hoped the RIBA establishment will lend their committed support.

We are now only too familiar with the horrendous costs both social and financial of "getting it wrong" in the built environment. Community architecture as an approach offers the hope that through true user participation a better designed and cared for environment will emerge.

It is essential, however, that money is made available to allow sufficient time to be spent between user clients and architects and other involved professionals, particularly during the early formative stages. This would ensure that the schemes which emanate are the results of proper participation and discussion.

The need for the correct level of investment during the design and development process, has still to be recognised and accepted, particularly by funding bodies. For this reason CAG is discussing this issue with the DoE who at present, if anything, are reducing the level of monies voluntary groups can apply for under the Urban Programme to buy in professional assistance.

CAG feels the DoE needs to recognise that such groups now require a wide range of practical, professional assistance, not only architectural but also accountancy and business advice, to enable them to establish the business elements of their community projects, elements which in future years will provide the vital revenue monies after the Urban Programme support has been "switched off".

CAG has also perceived the need for this investment in the design process to be grasped by the MSC, and is also reinforcing the other big gap in the MSC approach which needs attention, i.e. proper professional inspection and supervision of work in progress on site. Due to limited financial resources many user clients view MSC programmes as a method of carrying out building works on their community projects. CAG's argument is that the MSC approach could be much more effective if user groups were able to also acquire proper professional assistance.

CAG is also committed to encouraging and highlighting the various different ways in which architects are now choosing to work more closely with user clients and the different forms of architecture which are emanating, how successful they are, and how much they are liked and cared for by their users.

The above are a few of the initiatives underway and CAG would very much welcome hearing from other community architects, both those who have been involved for some time and those architects who have more recently begun to change the way in which they practise or are considering doing so, as to the issues and concerns which they feel ought to be addressed. This

You have given my fairly mild comments a hyperbolic slant in the interests of making your piece more punchy, which is naughty.

Roger White
London E1



Above: 37 King Street, Royston which was demolished (right) without consent.

Hertfordshire District Council has spent in the region of £12,000 on legal fees alone.

While it might be argued that the fines were small, the verdict was welcome in that it must surely render it difficult for a future demolition of a listed building to be justified on the basis of Section 55(6) in cases where the council, as local planning authority, has not been

Bypassing the council

From Peter Archard, director of planning, North Hertfordshire District Council. I AM writing to inform you of the outcome of the council's recent prosecution of IG Masters, Dom Holdings plc, JAT Jossmae, and John Jossmae Ltd, over the unauthorised demolition of 37 King Street, Royston without listed building consent on July 25, 1985.

The building had been demolished without the council being able to inspect it and notice was not given of the act of intended demolition. On both counts an offence was committed under Section 55(1) of the Town and Country Planning Act 1971.

The defence case centred around the provisions of Section 55(6) of the 1971 Act which states that in proceedings for an offence under Section 55(1) of the same Act "it shall be a defence to prove that the works were urgently necessary in the interests of public safety... and that notice of the need for the works was given in writing as soon as reasonably practicable".

The council never accepted that a legitimate defence could be made out under either aspect. A resident in Royston contacted councillor F John Smith, chairman of the development services committee early on the morning of July 25 1985, and by the time my principal officer, Dr Mervyn Miller, arrived to inspect the site, the building had been all but totally demolished and the remains cleared away. Dr Miller was the principal expert witness

of the council, and despite rigorous cross examination, the defence were unable to convince the jury that the building was in danger of imminent collapse.

The verdict was that all four parties were guilty of causing, or undertaking, the demolition of the building and that three of the parties were guilty of failing to notify the council of the need for the works. IG Masters was cleared of the latter point in view of the fact that he left for a business trip to South Africa the morning following his arranging for demolition of the building. Both he and JAT Jossmae were given an absolute discharge. The companies concerned, Dom Holdings plc and John Jossmae Ltd were fined £5,000 and £1,000 respectively.

The judge directed that Dom Holdings plc pay all costs incurred in the case. North



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Letters

monitoring Wexham Park and Hillingdon DGHs (privately commissioned), and pioneering several psychiatric prototypes.

During their second decade they substantially rebuilt Bedford, Luton, Watford, Whittington, St Albans, Hemel and Ashford DGHs, (mostly in-house), while monitoring the new King Edward, Ealing, and St Mary's Paddington DGHs (privately commissioned), besides building a plethora of psychiatric, maternity and geriatric units.

By my count, this adds up to at least £1 billion of health service building in current value about two or three handed in-house and doubtless a national record.

In the fashionable rush to sell off public assets it is, I suppose, the most profitable that sell best, and in this respect, Kemble Croft and his staff may reasonably feel flattered.

In any sell-out, however, much mature skill and experience will inevitably be killed off, leaving the younger devotees to fight their corner in an increasingly commercial private field.

The problems will doubtless show in a decade or so when the world economy revives and the one-third completed health building programme again becomes popular, at which

time, naturally, the newly established private "specialists", will inevitably look to more lucrative work in industrial and commercial fields.

But perhaps the Americans will then move in to clean up with a more thrusting and standardised "multi-tech" deal than the Department of Health & Social Security were able to provide.

Graham Wenman
Stroud
Glos

PS Recalling the gargantuan 20-year task of briefing, designing building and settling for even one major DGH contract, I am surprised that as an ex-contractor Roger Johnson should wish to fragment further the development complex infrastructure necessary to avoid the multi-million pound contract claims of the early 60s.

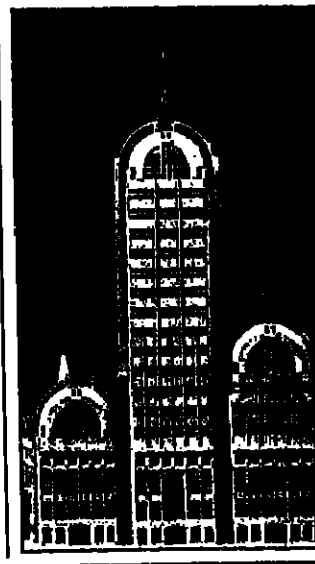
Building blemishes

From Kenneth Miller. IF the design show on your June 20 front page for Barclay's Bank headquarters (see right) has been "drawn" with the approval of the City, the Royal Fine Art Commission and the Historic

Buildings Division, as you report, my respect for those august sounding bodies has finally evaporated.

The design must be the most dreadful that has appeared on your front page for a long time — and that is saying something these days.

The late Sir John Betjeman and Peter Fleetwood-Hesketh might well have described it as "Jazz-Modern". A misinterpretation of simplicity, suitable for super cinemas". Or again,

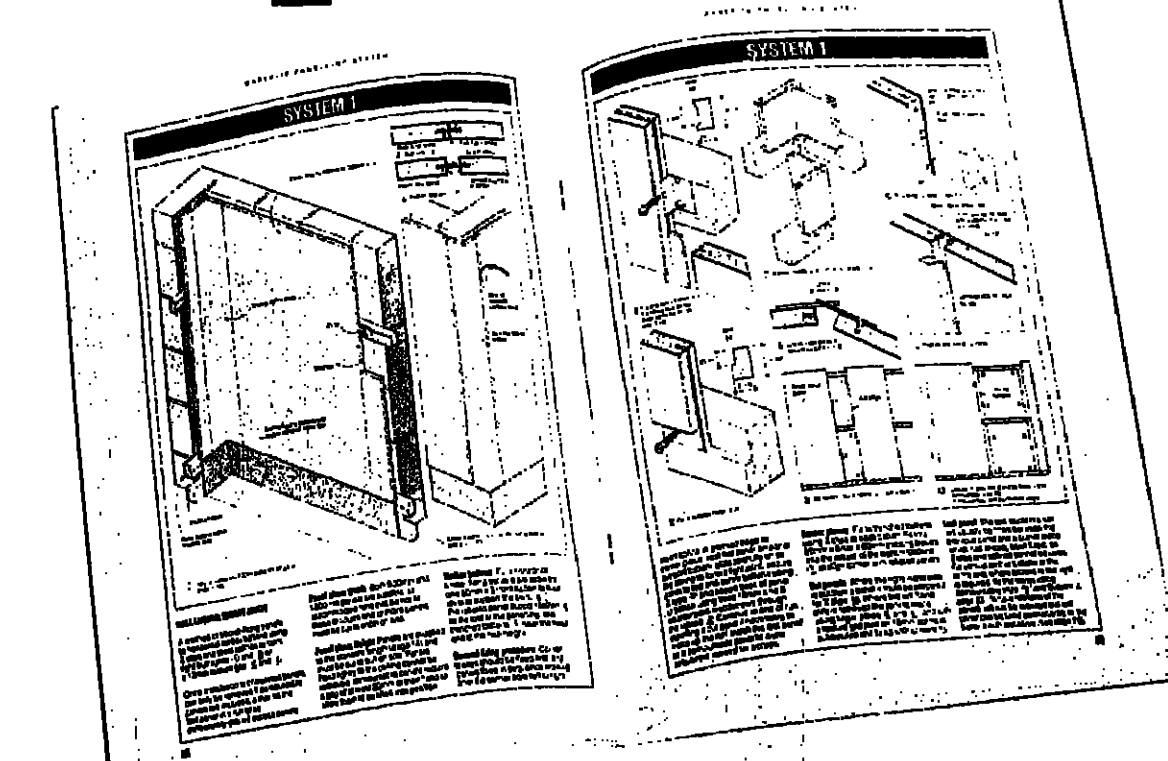


What's in a name?

From Maurice Meyersohn. AT the risk of being classified instantly as an ignorant wally, would I be the only reader not to know who BDP, SOM, CMW, MWT, GTD & BTP Architects/Partnerships/ what-have-you stand for? All these (I am sure expert firms) appear on the front page (June 20).

Not wishing to go into obscurity like the above, but if it will improve my image and hopefully raise me from being poverty stricken, should I change to MMP? Maurice Meyersohn
London N7

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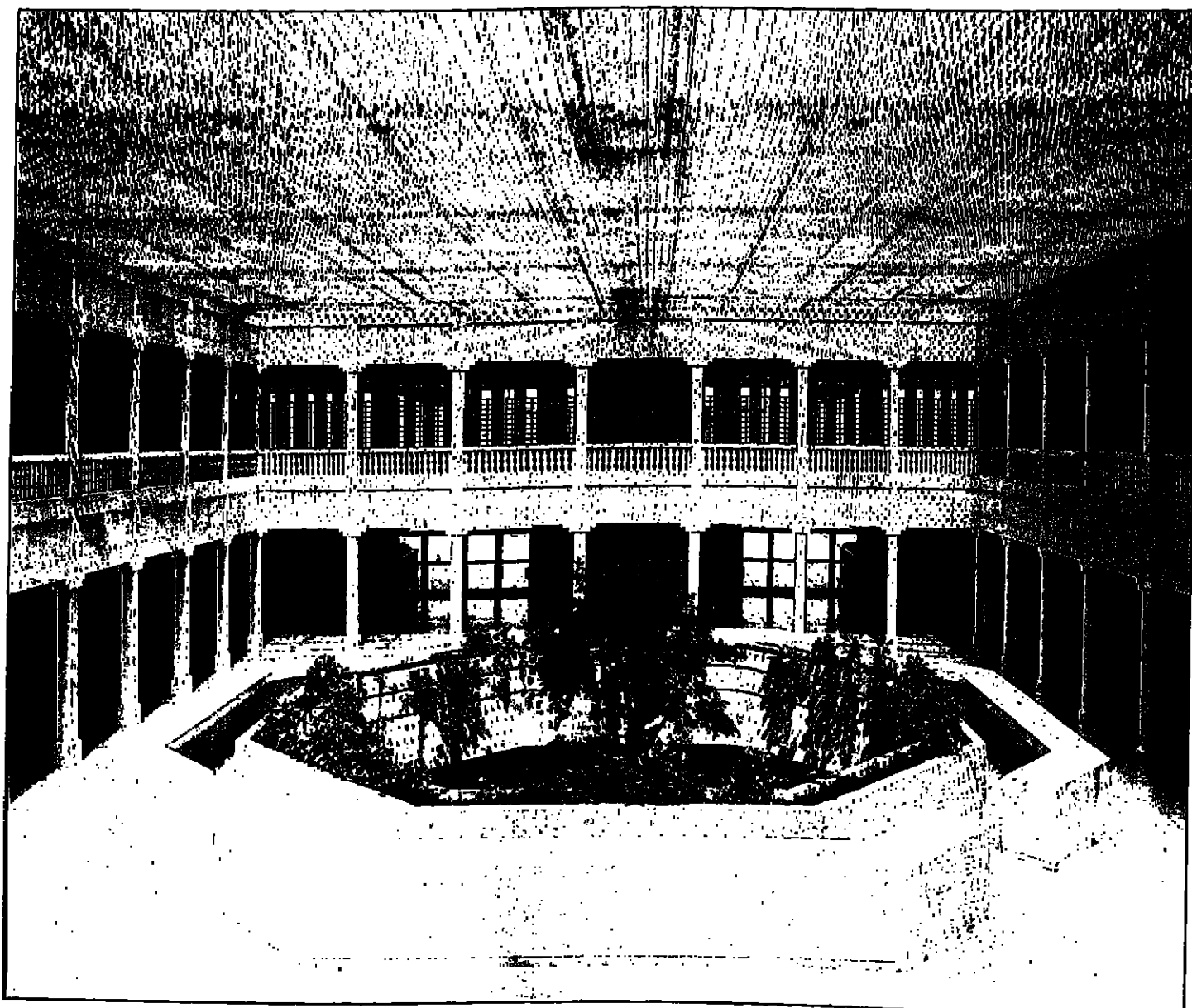
Letters

Letters should be typed double-spaced on one side of the sheet and sent to: The Editor, *Building Design*, 30 Calderwood Street, London SE18 6QH. We reserve the right to edit or amend correspondence.

Dangerous medicine

From Graham Wenman. FOLLOWING three painful reorganisations, it is extremely sad to read of the projected demise of PAC Maunier's North West Metropolitan Regional Hospital Board's architects department. (*News* June 20) set up in 1960 and chaired by Lord Cottesloe.

In their first decade they built Queen Elizabeth District General Hospital, Welwyn, and New Lister Hospital, Stevenage (both in-house), as well as



The atrium at the Tabuk sports centre forms the circulation and social focus between the different facilities.

MIDDLE Eastern contracts offered a potential lifeline to many practices when politics of the international oil industry effectively redistributed the world's wealth from consumers to producers.

Multi-million pound contracts meant fat fees though they are usually well earned with the frequent tight deadlines. Risks are taken with speculative

proposals and aborted schemes could mean lengthy delays in payment. One British practice to emerge with some distinction is Watkins Gray International who are best known for their hospital and health care work

and continue to be very busy in the Arab world.

In recent years the practice has designed no less than four sports complexes in Saudi Arabia, at Qatif, Tabuk near the Jordan border and at Shaqra and Zulfi to the north of Riyadh.

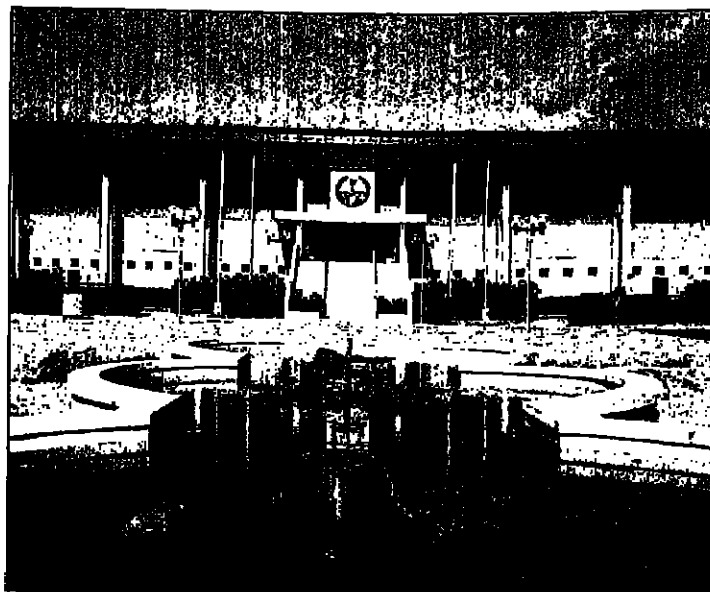
In addition two hospitals — at Unayzah and Dammam — are currently under construction, as is a prince's apartment in Cairo. The £35 million Qatif sports centre is for the General Presidency of Youth Welfare in Saudi Arabia and tender documents

had to be ready just 60 days after the practice's appointment. As well as a 5,000-seat football and athletics stadium, the centre has an indoor pool with space for 150 spectators, an indoor sports hall with 250 seats and a 500-seat auditorium.

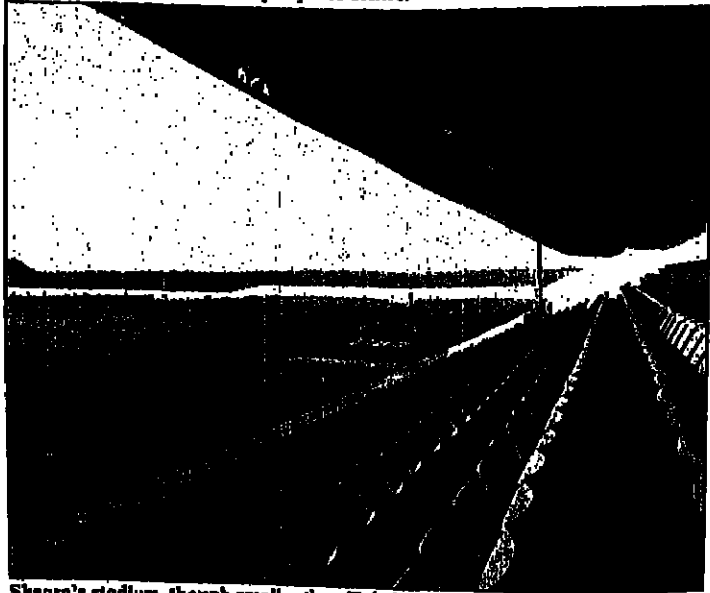
The Tabuk stadium took 60 days to design and 90 days to complete working drawings. Tendering, while Shaqra and Zulfi took 90 days for design.

"Support your British candidate," foreign presidents are being told. "His name is Owen Luder."

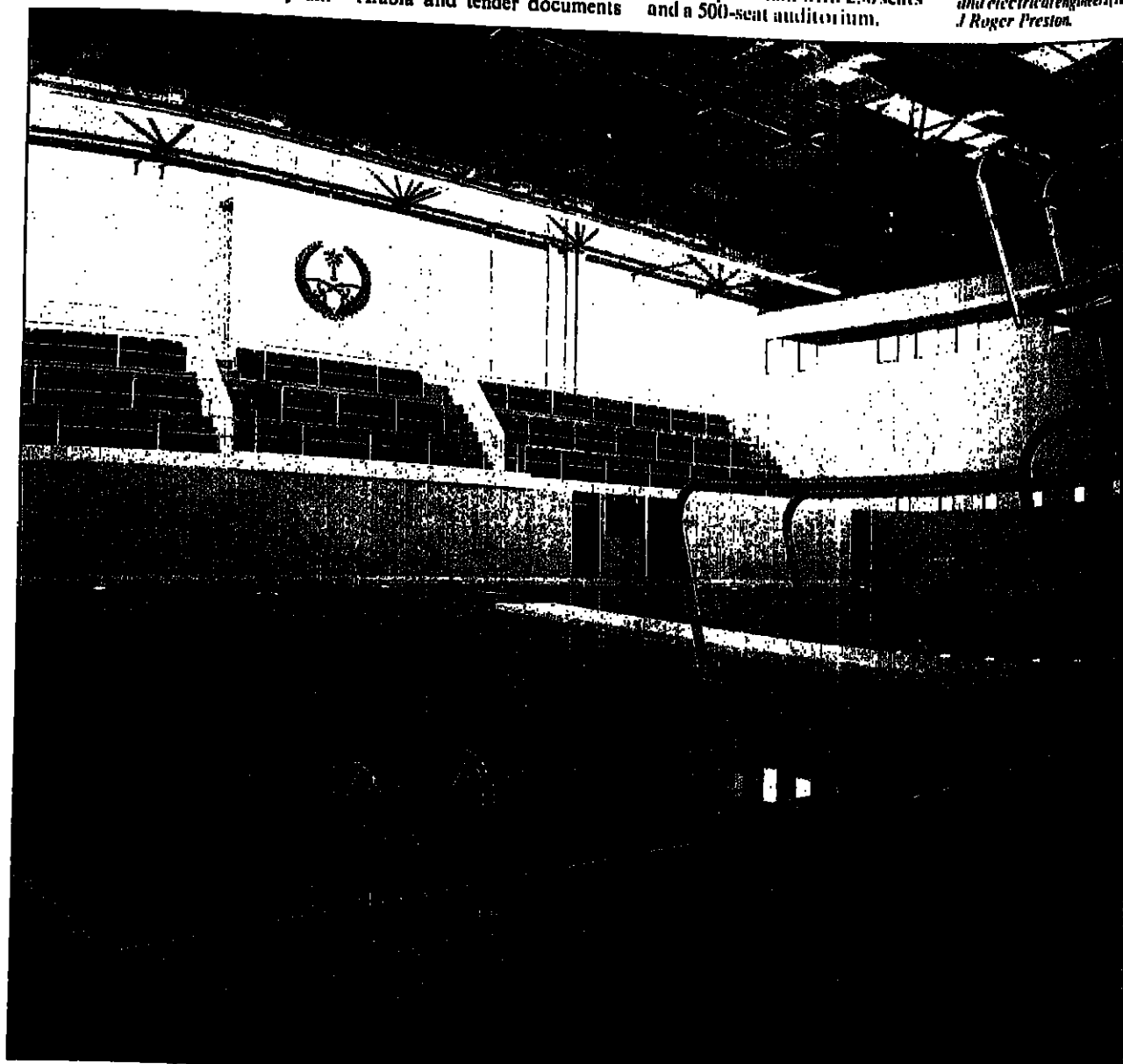
Architects: Watkins Gray International. Structural engineers: Marudunadi & Partners. Mechanical and electrical engineers: Talsit J Roger Preston.



Principal entrance at the Shaqra sports centre.



Shaqra's stadium, though smaller than Tabuk, is well appointed.



Indoor swimming pool with VIP seating.

Scorpio

Poor old Larry — he just can't win!

BELEAGUERED RIBA president Larry Rolland is facing some unusual criticism from some of his more reactionary members for allowing a "bunch of radicals" to take over 66 Portland Place for the day.

The event was, surprisingly, the presentation of the Community Enterprise Awards last month. The "radicals" included Prince Charles, Charles Wilson, editor of *The Times* and of course the institute's professional enemy number one, Rod Hackney, who stage-managed the proceedings.

Despite the fact that the RIBA received unprecedented, positive press coverage for its involvement in the awards scheme — including prime-time BBC television news, the *FT* and *Guardian* — what has proved particularly embarrassing is the public reconciliation of the Prince and his adviser Hackney.

The official line, since last August, has been that the Macclesfield maestro is "out" and the canny Scotsman is "in" royal favour. Paranoia about adverse press coverage (ie pro Hackney) has reached an all-time high in the wake of June 13.

THE RIBA's bill from British Telecom this quarter will be unusually high thanks to the increased international dialling from the president's office to the 88 member countries of the UIA.

"Support your British candidate," foreign presidents are being told. "His name is Owen Luder."

Coloured attitudes

HALIFAX Building Society is taking the unusual step of asking mortgage applicants their racial origin. Others are likely to follow suit, according to the Building Societies Association.

The societies came in for a lot of stick not so very long ago for their policy — always denied — of "red-lining" certain areas in the inner cities. Now a new term, "black-lining" seems set to supplant it.

Officially the reason is to prove non-discrimination in dealing with applications. Ham.

Secondary status

SURVEYORS have surveyed themselves — and found in their report that they rate even below architects and accountants in terms of having an interesting and challenging job.

Research carried out for the Royal Institution of Chartered Surveyors on surveying as a career option suggests that careers advisers and teachers do not perceive how highly skilled, competitive and commercial is the profession. Rather, "a cheerful outdoors sort of chap remains the stereotype of the chartered surveyor," reported their researchers.

Astute RICS president-elect Donald Troup is planning to assure that potential recruits hear more about the "enormous" earning potential of the job in future.

And while the RIBA is doing all it can to discourage school-leavers from taking up architecture, the RICS is now re-designing its careers leaflets to suck in all the high fliers.

Scene and heard

WHEN is an architect not allowed to criticise the work of a fellow architect? When it is potentially embarrassing to the profession as a whole and might bring it into disrepute, I had always believed.

Strange, then, that an architect supporting the *Limehouse Petition*, opposing plans by Selfert, received a call from Portland Place suggesting that he should not speak at its launch, even though he was closely involved with the group drawing up an alternative.

Those helping grassroots and other voluntary organisations against the threat of unwelcome developments will have to watch that they don't breach the Code of Conduct if this dangerous precedent is to be followed.

Official line: criticism is OK, but not if "supplanting" is involved. THERE'S a new royal connection with architecture in Ms Sarah Ferguson, shortly to become Princess Andrew. She will continue her job as a picture researcher with BCK Graphics after the wedding, where her current project is a book on the Palace of Westminster by Sir Robert Cooke, the man responsible for its extensive refurbishment and facelift.

THE College of Estate Management has produced a report on the impact of obsolescence on property values, once considered a hedge against inflation. No more.

Depreciation hits offices and factories hardest in their fifth to 10th years, it says. So long the 60-year lifespan and 25-year institutional lease. Indeed the capital value of a 20-year-old property is often no more than 35 per cent of its brand new brother, implying an annual fall in value of more than 5 per cent.

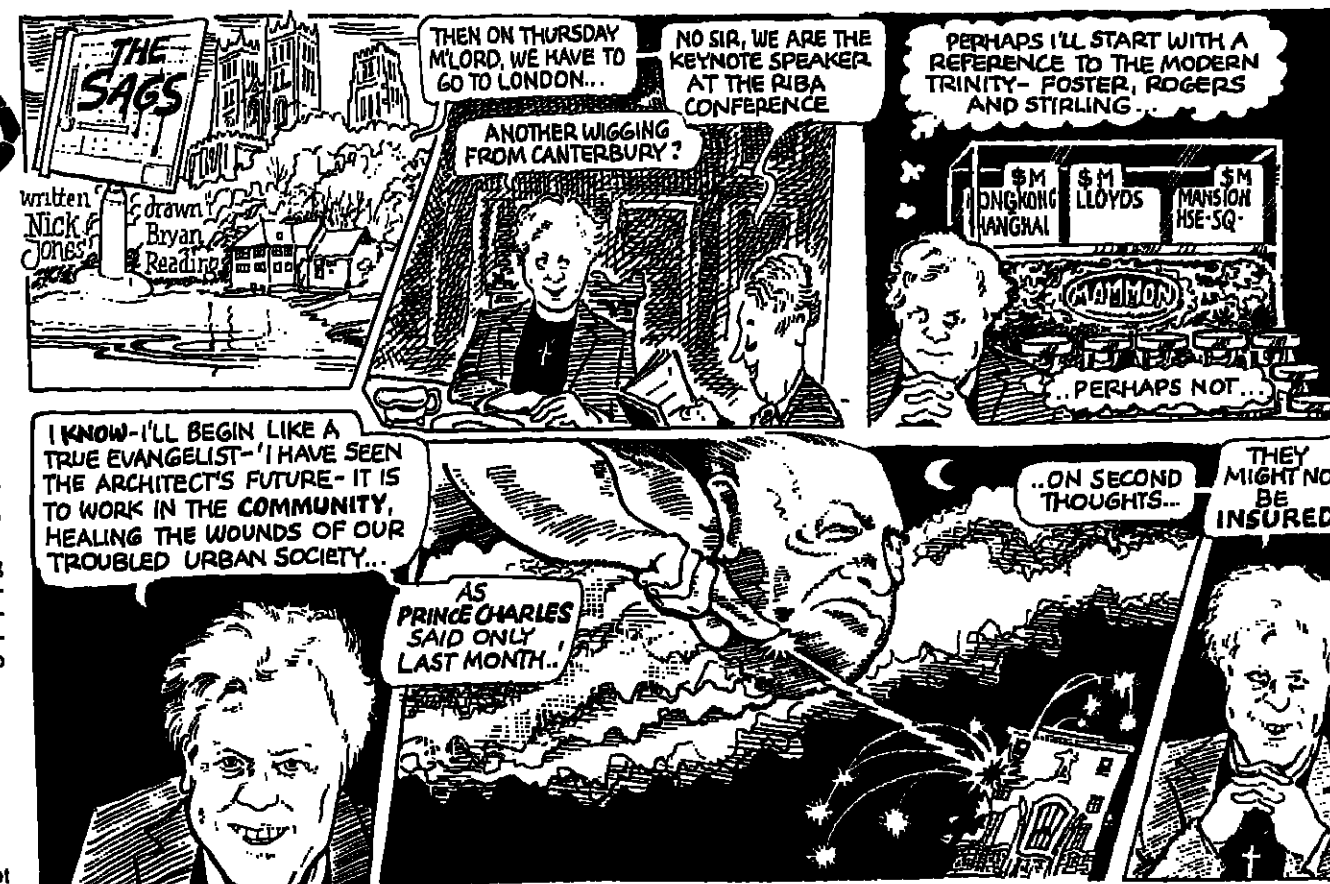
Only "hands-on" management will stop the rot and obsolescence. Of course, there's always the site issue...

"WE can't put the air-conditioning on full until the building is completely occupied," said Lloyd's when the British summer finally arrived. Sales of electric fans to underwriters have rocketed in Leadenhall Market, I'm told.

10 years ago

THE Asbestos Information Council has launched a big campaign in defence of its members' products. It claims there is no evidence that asbestos associated diseases could be caused by small exposures, and that there was "no real danger" from white or grey asbestos.

Building Design, July 2, 1976.



At last: a render you don't need to decorate.

Cullarend is a coloured render, texture, and weather protection all in one. Projection-applied in one single swift operation, it is fully compatible with all normal render substrates.

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Legal

from page 14

between the several causative events...

"...As long as the arbitrator ensures there is no duplication I can see no reason why he should not recognise the realities of the situation and make individual awards in respect of those parts of individual items of claim which can be dealt with in isolation and a supplementary award in respect of the remainder of those claims as a composite whole..."

The judge, having considered the *Crosby* case and having agreed with the principle, said:

"If application is made... for reimbursement of direct loss or expense attributable to more than one head of claim and at the time when the loss and expense comes to be ascertained it is impracticable to disentangle... the part directly attributable to each head of claim, then provided of course that the contractor has not unreasonably declined in making his claim and so has himself created the difficulty, the architect must ascertain the global loss directly attributable to the causes..."

"To this extent the law supplements the contractual machinery which no longer works in the way in which it was intended to work so as to ensure

that the contractor is not unfairly deprived of the benefit which the parties clearly intended he should have.

"...A rolled-up award can only be made in a case where the loss or expense attributable to each head of claim cannot really be separated... and where apart from that practical impossibility the conditions which have to be satisfied before the award can be made have been satisfied in relation to each head of claim."

Requirement for details of matters giving rise to, or particulars of, loss or expense

The question was raised as to how much information the contractor is required to provide when making an application under clause 24 or 11(6) as to the nature of the event and the particulars of loss or expense for which reimbursement is sought.

The judge held that if the notice does not give the architect sufficient information for him to take the initial step of forming an opinion as to loss or expense having been incurred (clause 11(6)), or material progress being disturbed by one of the matters in clause 24, he must ask the contractor to furnish him with such further information as he requires for that purpose.

If the application does not

provide sufficient information upon which the architect can form an opinion, it is for the architect to obtain the information which he considers necessary to enable him to do so — whether from the contractor or from some other source. If the contractor on making an application fails to identify with sufficient particularity the question on which the architect is required to form an opinion he cannot at that point recover direct loss or expense.

Once the architect has formed an opinion favourable to the contractor it is then his duty to ascertain or instruct the quantity surveyor to ascertain the loss or expense suffered. Clearly, the contractor cannot complain that the architect has failed to ascertain if the contractor has failed adequately to answer a request for information which the architect reasonably requires.

In summary, the contractor is not obliged to make a written application though he is entitled to do so. If he fails to do so with sufficient particularity to enable the architect to perform his duty, or if he fails to answer a reasonable request for further information, he may lose any right to recover loss or expense and will not then be able to claim

that the architect is in breach of his duty under the contract.

Common law claims for damages in respect of disturbance of progress

Clause 24(2) of the contract provides that the operation of sub-clause (1), ie recovery of direct loss or expense in respect of the stated matters, is without prejudice to any other rights and remedies which the contractor may possess.

Of this the judge said that clause 24(1) specified grounds upon which the contractor was entitled to make a claim for reimbursement of direct loss or expense for which he would not otherwise be reimbursed by a payment made under any other provisions of the contract. The grounds specified may or may not result from a breach by the architect of his duties under the contract.

Whether the matter referred to in clause 24(1) is or is not a breach of duty by the architect, the contractor can call upon the architect to ascertain the direct loss or expense suffered. However, the contractor is not bound to make this application. He may prefer to wait until completion of the work and make a claim for damages for breach of contract where there is such a breach. Alternatively he can

make a claim under clause 24(1) in order to obtain prompt reimbursement and later claim damages for breach of contract bringing the amount awarded under clause 24(1) into account.

The situation is somewhat different under clause 11(6) as almost certainly an instruction requiring a variation which leads to a claim for reimbursement of loss or expense will not have been the result of a breach of contract. In this case, if the contractor fails to make his application at the appropriate time he may lose his remedy altogether. (Note that the position is different in JCT 80.)

The build-up of the claim
The contractor's claim was made up of certain component parts as follows:

- direct site costs of labour, plant and materials;
- from the total site cost was deducted the assessment for fluctuations which were to be adjusted on a net basis;
- to the figure produced was added profit and overheads;
- added to this figure was the net fluctuations, loss of profit and financing costs.

Presumably, though it is not clear from the judgment, account would then have to be taken of previous payments and the original contract sum. The arbitrator made the obvious point that the figure produced must have included the costs of any delay or disruption due to the contractor himself.

The judge said he found it impossible to see how the calculation could be treated as even an approximation for the claim whether "rolled-up" or not. Further, the calculation in effect relieved Leach from any burden of additional costs resulting from delays in respect of which Leach was not entitled to any extension of time to the completion date.

Arbitrator's powers with respect to deficient notices or applications

Finally, the judge had to consider the extent to which an arbitrator had the power to waive or cure any lack of or deficiencies in any notice of delay under clause 23 or in the written application under clause 11(6) or 24. The judge held that in so far as the conditions require the contractor to take specified steps before the architect is obliged to issue a certificate or form an opinion or make a decision, the arbitrator cannot waive those requirements.

Comment
Clearly this case raises very many (often difficult) issues. With the very greatest respect to the judge, this writer found the judgment both unclear and disjointed.

Merging obligations

Lessee's claims in respect of defective building preserved

THE case of *International Press Centre v Norwich Union* (May 1986 before His Honour Judge Esyr Lewis QC, Official Referee) arose out of defects

appearing in a building, namely mosaic tiling which was fixed to exterior walls of a tower block which formed part of the new building and began cracking. The plaintiff underleasees spent nearly £400,000 on remedial works and claimed this from the defendants under the terms of an agreement for an underlease.

The freeholders had granted a lease to the defendants Norwich Union requiring Norwich Union to demolish and remove the building and to erect a new one. At the same time Norwich Union entered into an agreement for an underlease with the plaintiffs, the International Press Centre. By clause two of that agreement Norwich Union agreed to erect the new building in accordance with the covenants given by them in a headlease, namely in a substantial and workmanlike manner and with the best materials of their respective kinds obtainable and to the reasonable satisfaction of the freeholder's surveyor.

The agreement contained a clause by which Norwich Union undertook to grant an underlease of the new building upon completion and this was entered into. One of the clauses required the plaintiffs to keep the premises "in good and substantial repair, order and condition and where necessary through any cause whatsoever to rebuild, reconstruct or replace the demised premises or any part thereof..."

When the plaintiffs sought recovery of the cost of remedial works under the agreement for an underlease containing the obligation on the part of the defendants, Norwich Union, to build in a good workmanlike manner, they were met with Norwich Union's argument that the terms of the agreement for an underlease had merged with the underlease itself and therefore the clause requiring the plaintiffs to rebuild, reconstruct or replace etc prevailed.

It should be remembered that as a matter of law, if parties have made an executory contract ie a contract under which they promise to do certain things and which is to be carried out by deed executed afterwards, the real completed contract between the parties is to be found in the deed and you have no right to look at the contract except for the purpose of construing the deed itself. However, there may be provisions of the contract which are intended to survive after completion of the deed and which are not therefore merged in it.

The question in this case was whether the obligation to build in a substantial and workmanlike manner etc in the agreement for an underlease, survived the execution of the formal underlease itself or was merged with it, in which case it would disappear.

After hearing the contentions of the parties the judge concluded there was no reason why the obligation under the agreement for lease should not survive the grant of the new lease. There was nothing inconsistent with the survival of the obligation in the agreement for underlease which related to the provision of the building and not its subsequent maintenance etc.

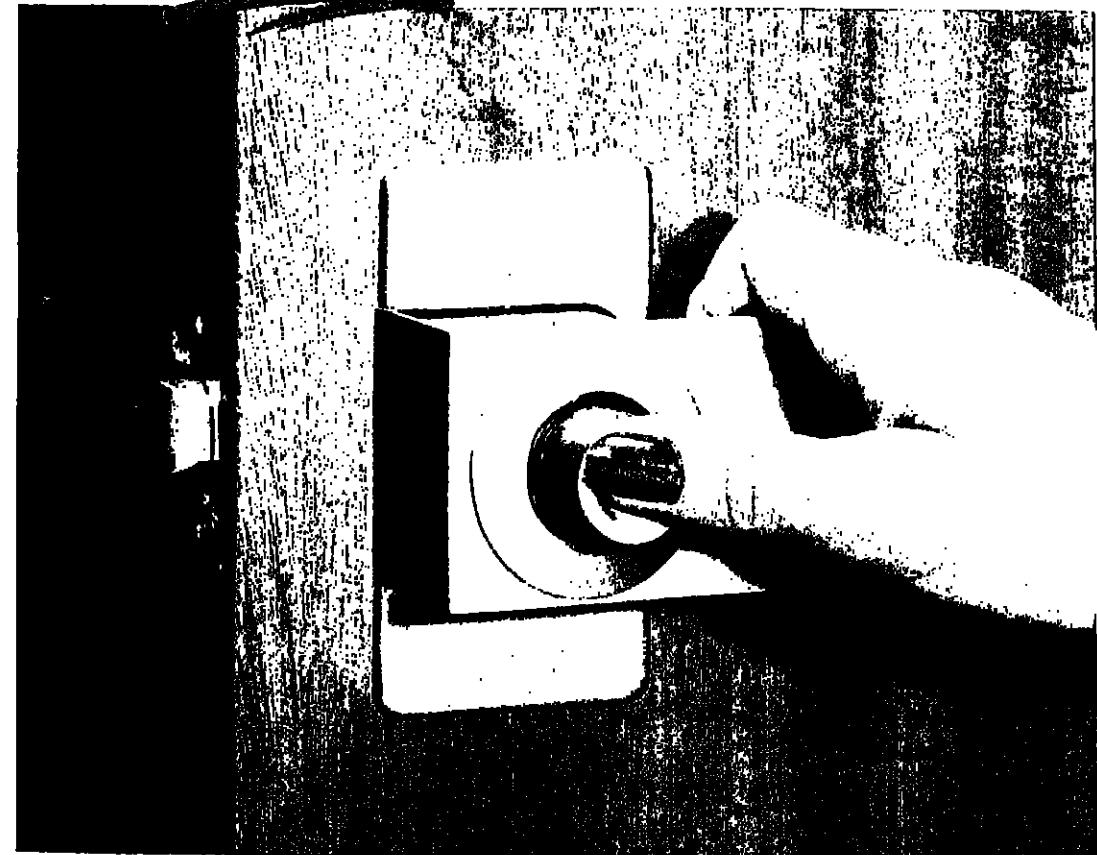
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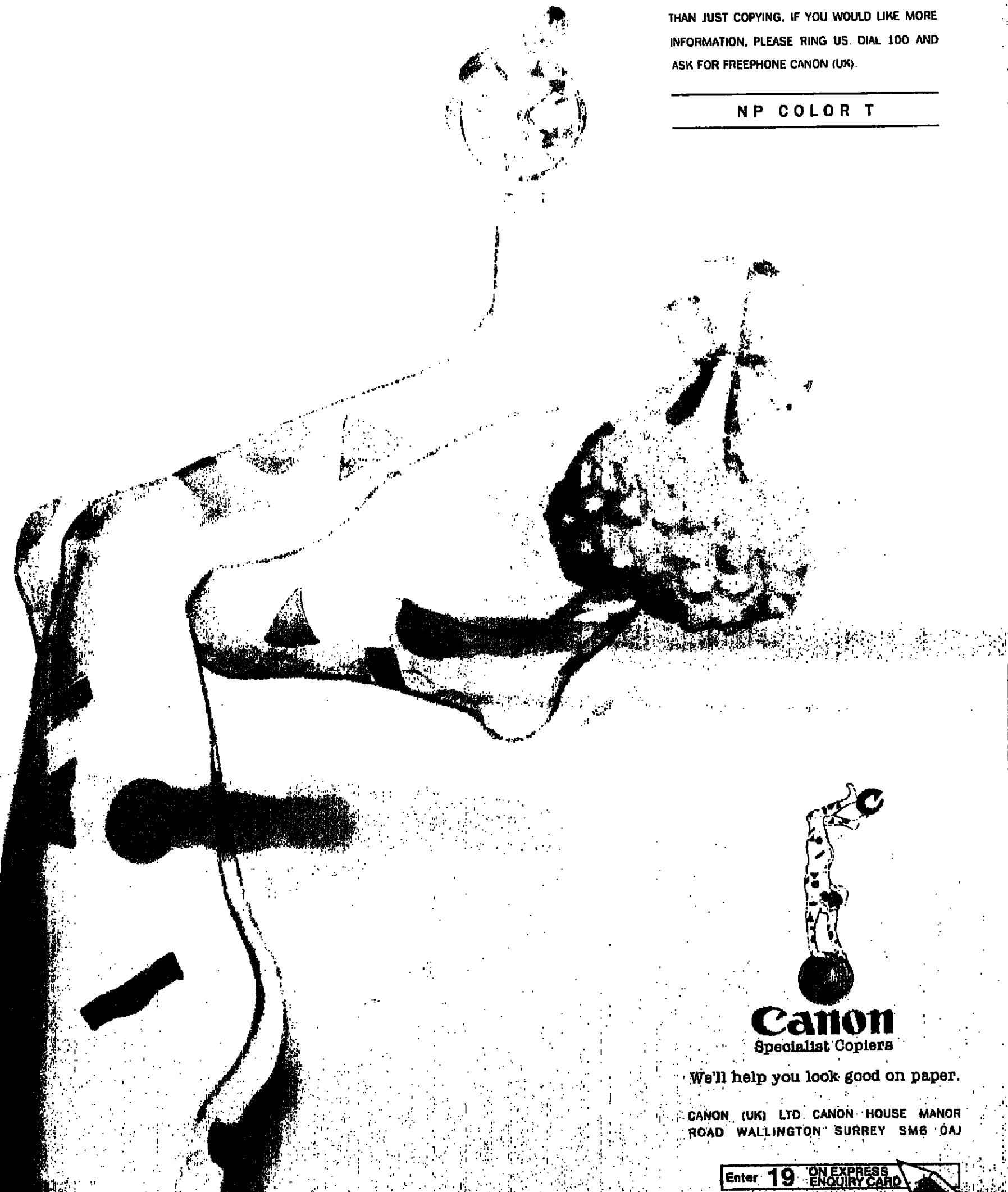
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IN the original Lauriston Place fire station, Edinburgh — a charming red sandstone building of 1902 by Robert Morham — firemen's flats comprised the major part of the accommodation. Today, it is the headquarters of the Lothian & Borders Fire Board, but in recent years, the flats have been taken over to provide additional office accommodation.

The fire station provision no longer satisfied modern requirements, and this, combined with the absence of training facilities, prompted the decision to provide a new fire station building nearby at West Tollcross, on a vacant car park site.

In Tollcross the cohesive street pattern of the traditional urban fabric has become frayed in recent times. The architectural considerations that had given rise to the form of the new fire station came essentially from a conscious attempt to address the problem of the recreation of the street facade.

The square-shaped, corner site is bounded on two sides by busy traffic routes — West Tollcross on the south, and Ponton Street on the west. On the eastern edge it is flanked by a service lane, and on the north by a large gap site off Ponton Street, used for public parking.

The form of the new £1.7 million station building was modelled to meet two particular requirements. Firstly, there was a need to provide the largest possible training yard with vehicular access from the rear, and second, a client preference for fire appliance vehicles to egress on to West Tollcross.

These considerations led to a building which is L-shaped in plan, — a configuration that also happily served the architectural purpose of restoring the alignment of the original street frontages on West Tollcross and Ponton Street.



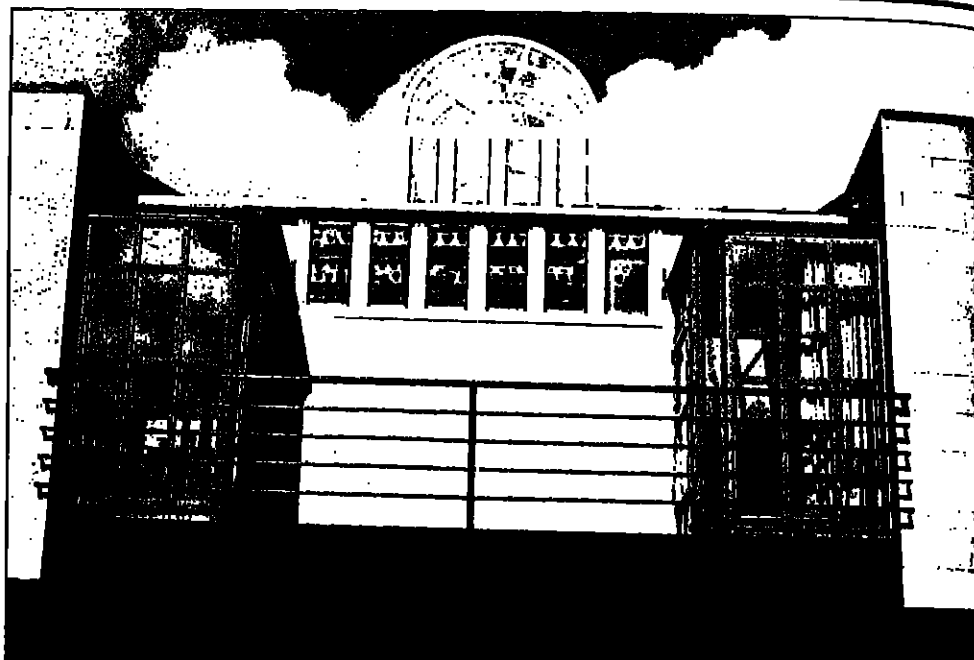
Steel hangers to glazed canopy at rear of appliance room.

The two wings of the building converge on a pivot, a drum-shaped watch room which functions as a station control room, and a reception and general office. The external circular form of the drum presents a major aesthetic element in the composition of the street facade.

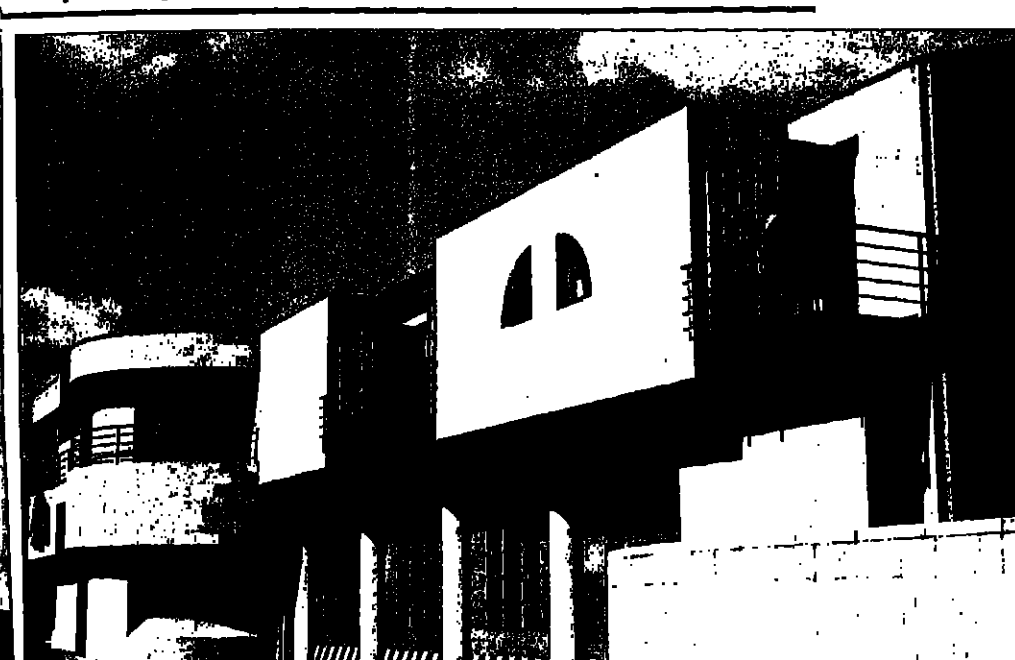
It lends visual emphasis to the public entrance of the building at the street corner, while also optimising site lines for both passing pedestrians and fire appliance vehicles leaving the station. The recessed entrance is further accentuated by an inserted slot of vertical glazing, which is continued at roof level to filter daylight into the double

FIRE AND ANDSTONE

The Tollcross fire station in Edinburgh combines a sturdy quality with qualities of playfulness. Edwin Johnston reports.



Oriel windows to indoor court flanked by dining and recreation rooms.



West Tollcross facade.



Interior of four-bay, vehicular appliance room.

room facilities. At the end of the wing is a service and maintenance area, with access from the training yard to the rear.

On the upper cantilevered floor, the organisation of what is a deep plan building is skilfully handled to create an internal sense of spaciousness. For example, in the West Tollcross wing on the street frontage, the plan is punctuated by a central internal court, a delightful space glazed at roof level and incorporating a barrel vault. Timber-framed glazed sliding screens provide both access and views to the court from the adjoining dining and recreation rooms, and in addition, daylighting is channelled to the circulation space in the centre of the plan.

Externally, the fenestration of the court is expressed on the facade by a pair of oriel windows framing a balcony, presenting a symmetrical assembly of features in the composition of the facade. At the rear of the wing, and shielded from traffic noise, is the dormitory accommodation.

The upper floor of the Ponton Street wing comprises a central control suite to service the Lothian & Borders regions. The control room is air-conditioned, and the suite includes its own dining and kitchen facility, with a staff rest room which opens on to a second internal glazed court.

The wing also accommodates a fitness area including a small gymnasium, sauna, and changing facilities and staff offices. Above the central circulation spine of both wings is located a services distribution corridor from the plant room, formed by pairs of lattice beams.

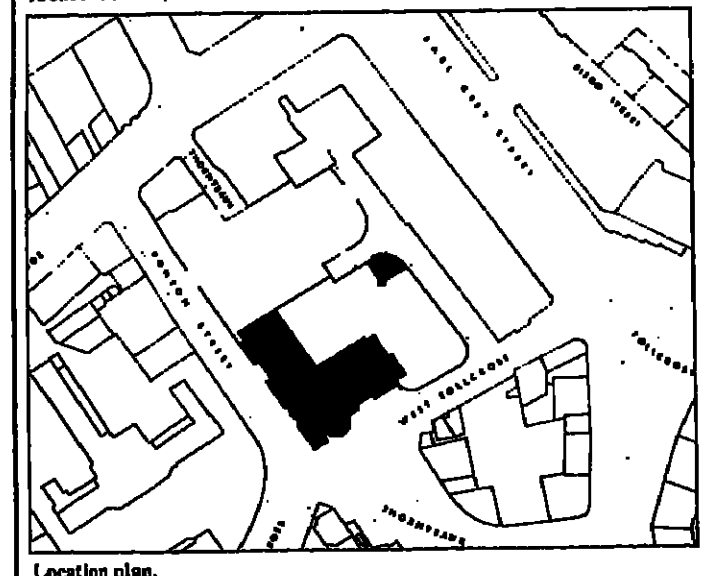
At the rear of the site, and on the diagonal from the junction of the main building, is a five-storey training tower in brickwork. At the topmost levels it incorporates a mock maisonette and an attic and pitched roof used for training purposes. The floors of the tower are reached

continued page 20

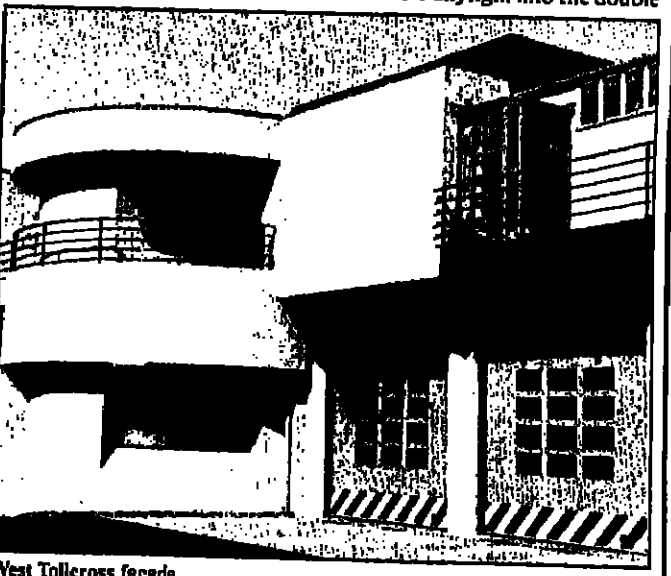
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Location plan.



West Tollcross facade.

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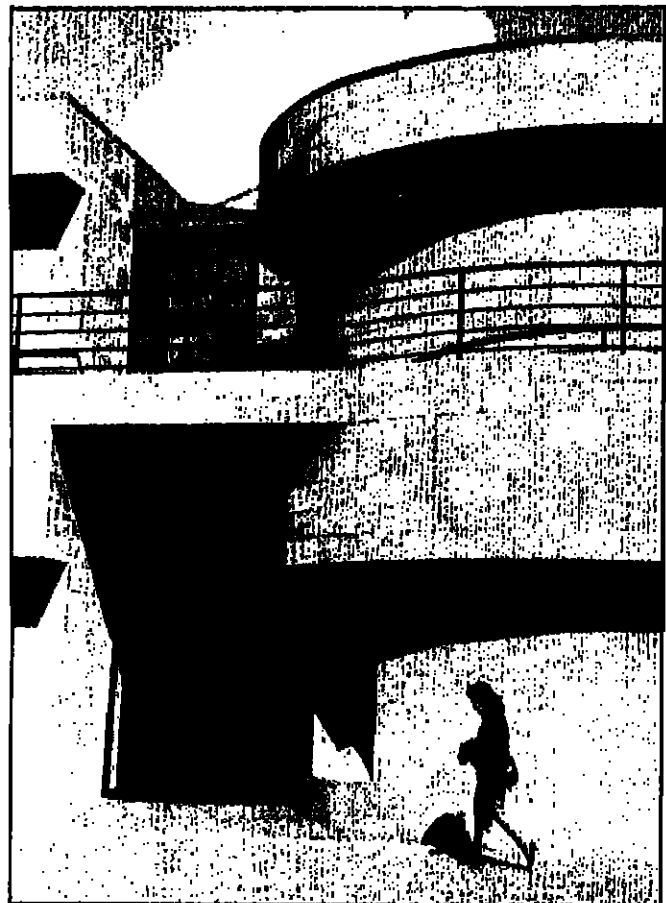
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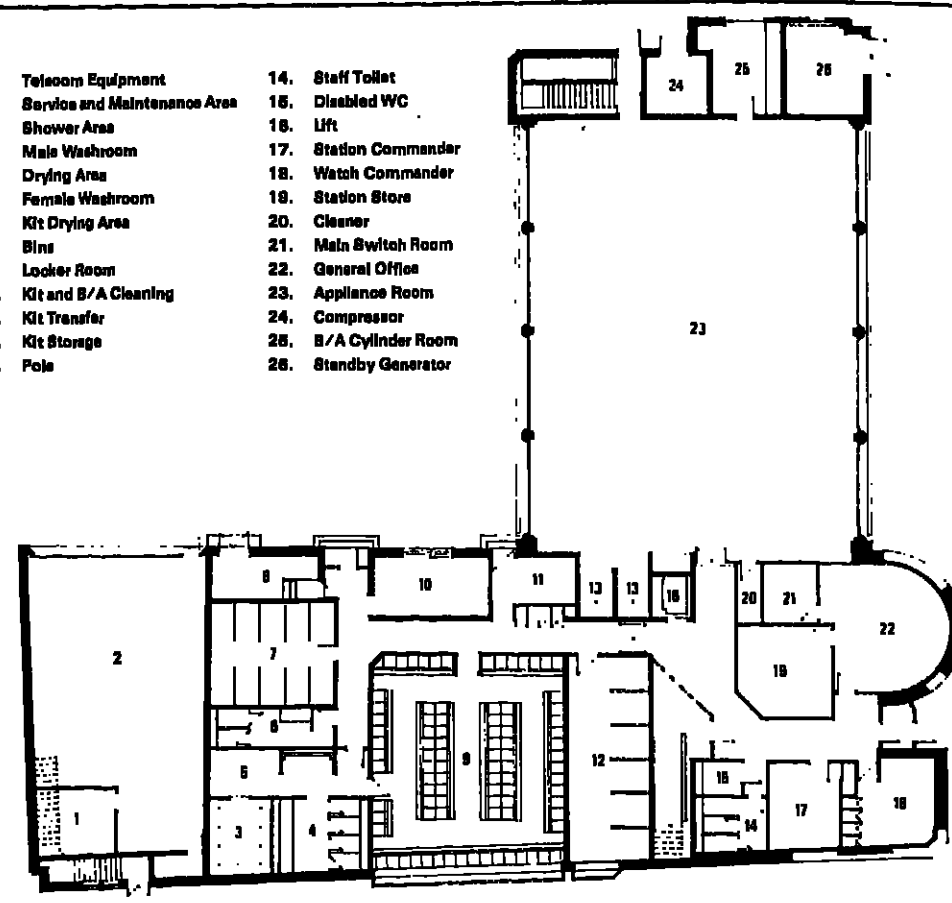
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Buildings



Cantilevered eaves and balcony to drum at public entrance.

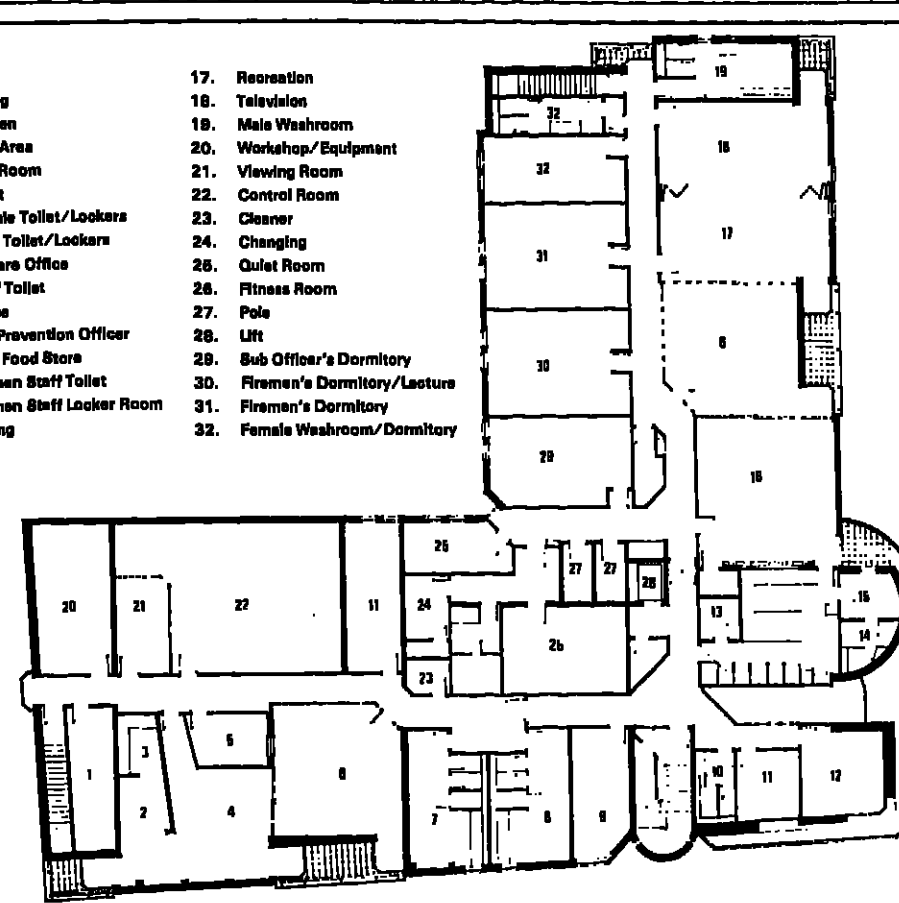
1. Telecom Equipment
2. Bar/Club and Maintenance Area
3. Shower Area
4. Male Washroom
5. Drying Area
6. Female Washroom
7. Kit Drying Area
8. Bins
9. Locker Room
10. Kit and B/A Cleaning
11. Kit Transfer
12. Kit Storage
13. Pole
14. Staff Toilet
15. Disabled WC
16. Lift
17. Station Commander
18. Watch Commander
19. Station Store
20. Cleaner
21. Main Switch Room
22. General Office
23. Appliance Room
24. Compressor
25. B/A Cylinder Room
26. Standby Generator



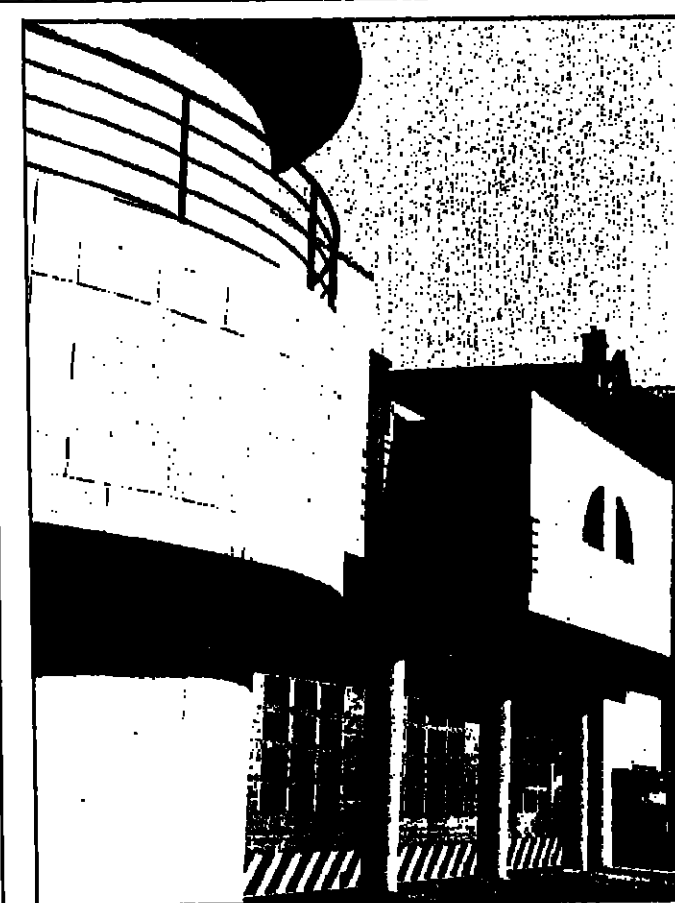
Ground floor plan.

Buildings

1. Store
2. Dining
3. Kitchen
4. Rest Area
5. Sick Room
6. Court
7. Female Toilet/Lockers
8. Male Toilet/Lockers
9. Waiters Office
10. Staff Toilet
11. Office
12. Fire Prevention Officer
13. Bulk Food Store
14. Kitchen Staff Toilet
15. Kitchen Staff Locker Room
16. Dining
17. Recreation
18. Television
19. Male Washroom
20. Workshop/Equipment
21. Viewing Room
22. Control Room
23. Cleaner
24. Changing
25. Quiet Room
26. Fitness Room
27. Pole
28. Lift
29. Bob Office's Dormitory
30. Firemen's Dormitory/Lecture
31. Firemen's Dormitory
32. Female Washroom/Dormitory



First floor plan.



West Tollcross facade.

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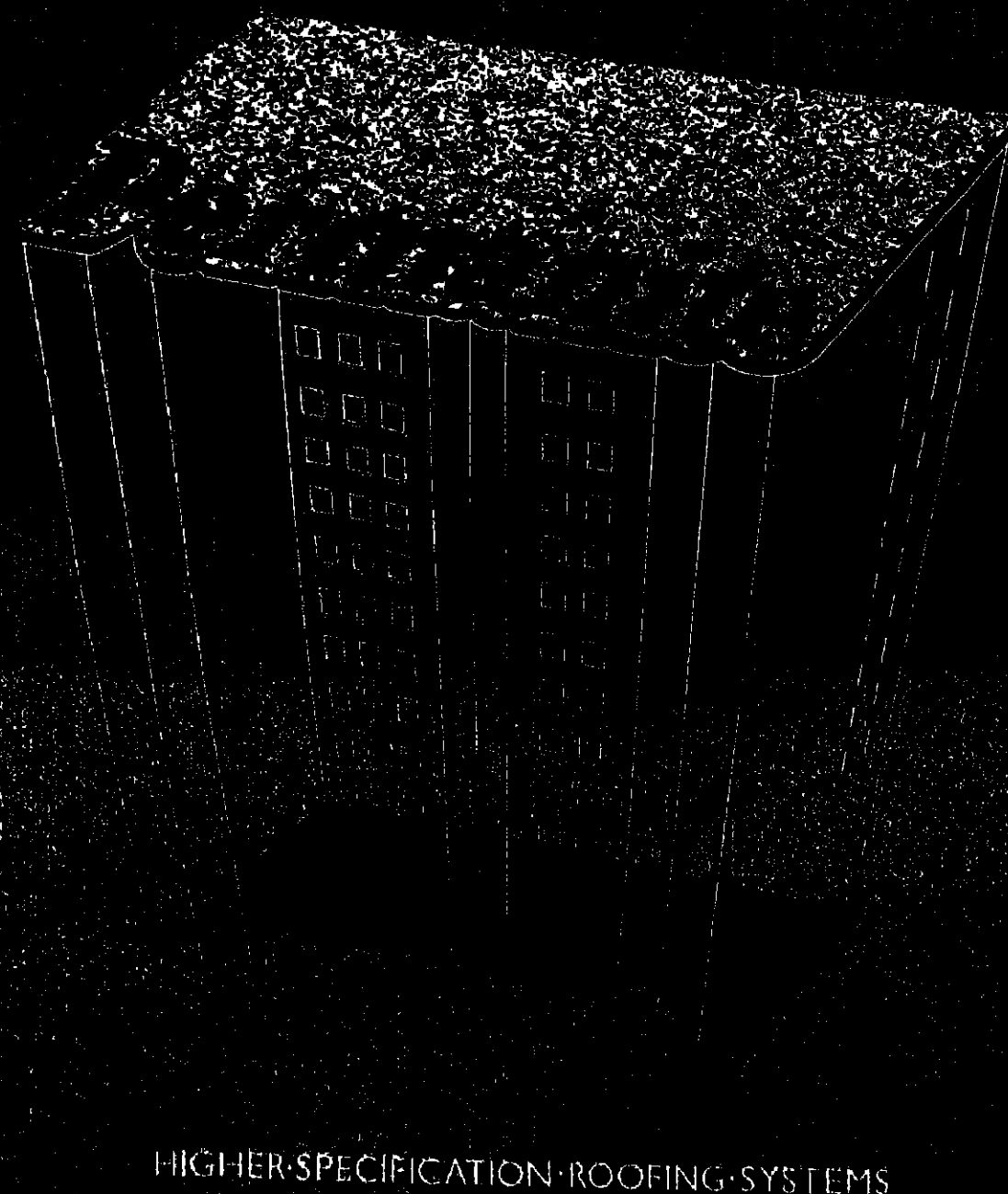
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HIGHER SPECIFICATION ROOFING SYSTEMS

Fire and sandstone

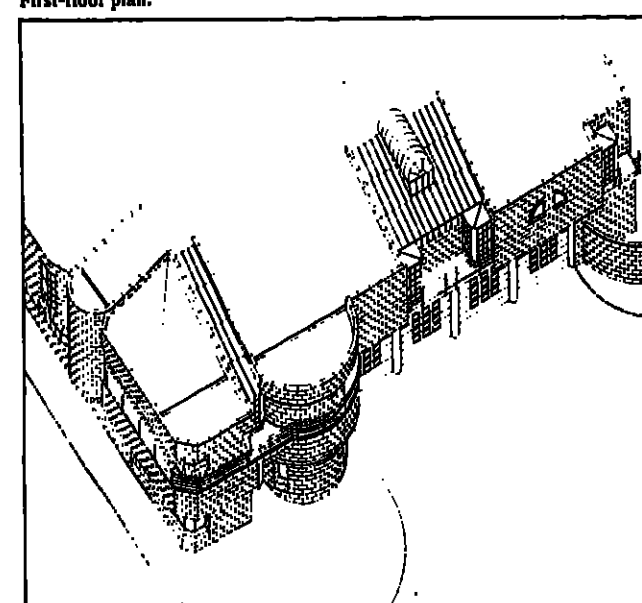
from page 19
by ladder from ground level.

Tollcross fire station is a harmoniously proportioned and well detailed building in which considerable care has been given to the restraint and articulation of its public facades. The juxtaposed cantilevered bays with the recessed balcony, the deployment of the deep eaves giving visual emphasis to the street corner, and the depth of the window reveal all contribute towards giving the building a sturdy and robust character appropriate to its function. Yet the building also succeeds in being playful and making a lively and sympathetic addition to the streetscape.

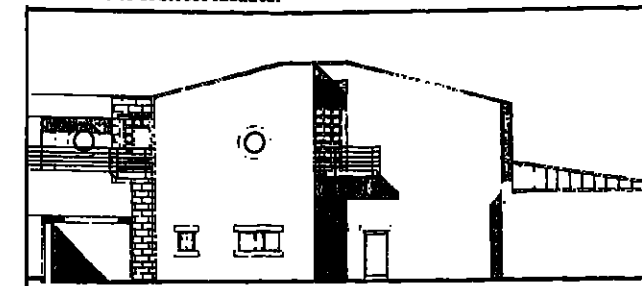
The street facades are finished in high quality cast stone, while facing brick is the material used for the rear elevations, gables, and training tower. It is an approach towards the use of materials derived from precedent. As project architect Dan Bain explained, dressed ashlar on the public facade, and random rubble walling on rear elevations and gables are a

common feature in Edinburgh's local building tradition. But there are other references also the past, — the oriel, circular, and quadrant windows, the balcony, and above all, the cupola, — these are familiar and characteristic elements in the language of the city's architecture.

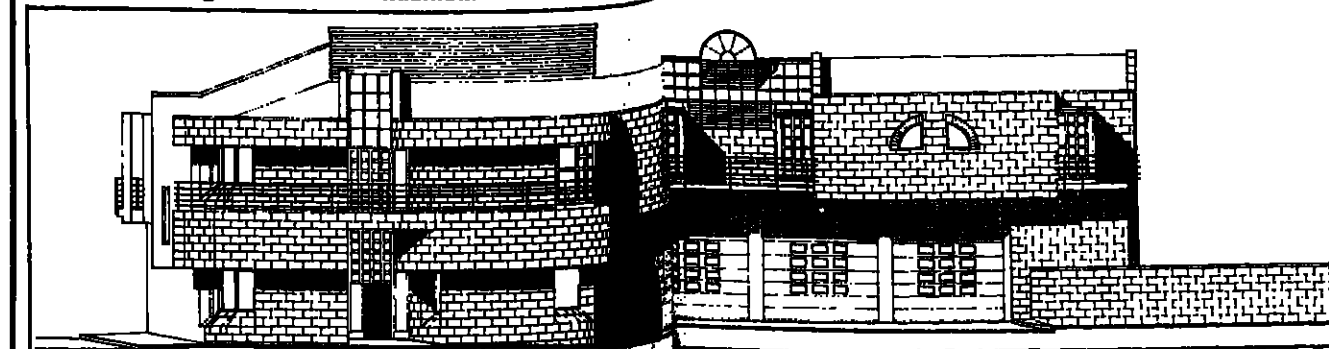
Purists, perhaps, might be inclined to question the upper level of the drum on the West Tollcross facade being used to contain a staff toilet and locker room, in view of its prominence and south-facing aspect. But such details must be considered in the larger perspective of the many admirable qualities of the building. And if for some observers the architectural quality of the station might appear reminiscent of a 30s seaside pavilion, then it is a connection that may not be entirely inappropriate. Ropes and ladders evoke association with the elements of fire and water, and furthermore, the terminology of the fireman, as said, is grounded in the national tradition.



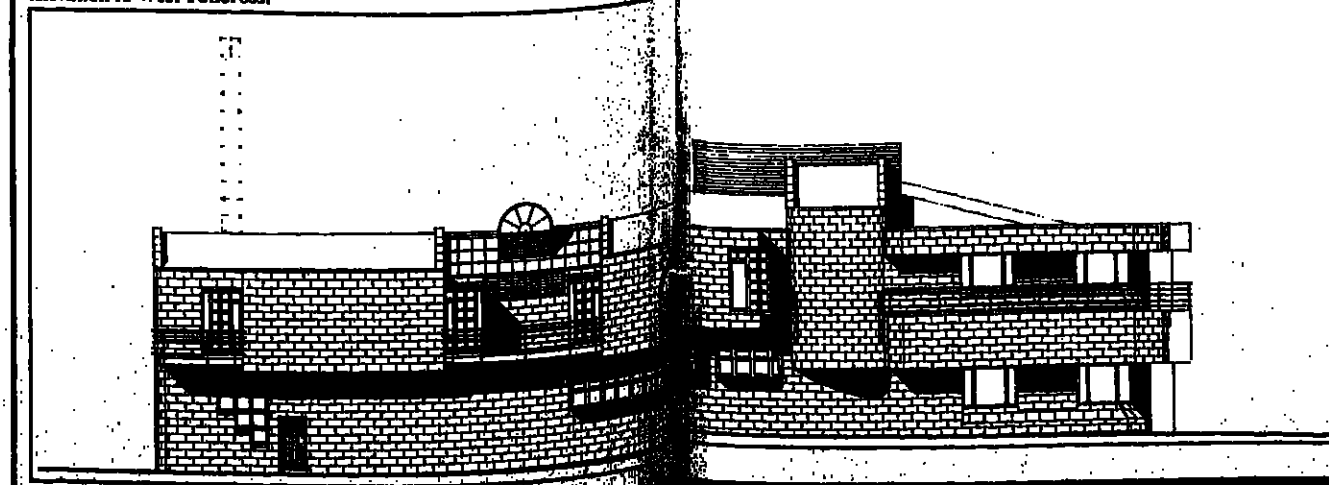
Axonometric of street facades.



East gable.



Elevation to West Tollcross.



Elevation to Ponton Street.

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Compiled by Harold Hudson

Getting steamed up over hot water systems

UNVENTED hot water systems, apparently approved of by the Building Regulations introduced last November, are still causing trouble.

For instance, because the supply pipe size from the mains is usually much smaller here than in many parts of Europe, the supply is often not great enough to source the ever-increasing amounts of water we use. The water tank in the roof, therefore, serves as a useful reservoir.

This, and other problems, may have led to the curious anomaly which we are faced with. Theoretically, unvented hot water systems have to comply with the new water bylaws — these are yet to appear. Some say the DoE has agreed to a blanket relaxation covering the use of unvented installations, despite the fact that no system (or installer) has yet

been approved by the British Board of Agrement — a specific condition of use under the Building Regulations Approved Document.

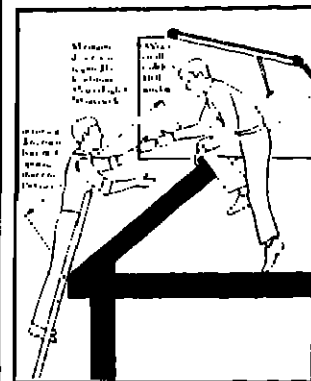
What is more, the recent seminar run by BBA, created more heat than light, according to some of the delegates.

The newly formed Waterheater Manufacturers' Association may well be one of the best sources of advice for specifiers anxious to use unvented systems. One of the major points this organisation is arguing is that many imported systems simply will not work in this country because of the size of the normal mains supply pipe.

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For further information on the products on these pages, fill in and return the enquiry card.

Escape windows



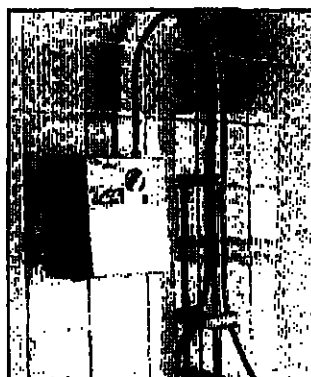
W H Colt (London) has published a new data sheet which explains the requirements of the Building Regulations 1985 for England and Wales with regard to means of escape from loft conversions. It points out that the smallest Colt Roto MOE roof window is larger than the minimum set by the Regulations. They also match the appearance of other Colt Roto windows. Although top-hung, the outside of the glass of MOE windows can be cleaned from inside the building.

Enter 100 ON EXPRESS ENQUIRY CARD

Electric shower

DESIGNED for today's modern colour-matched bath and shower rooms, the Sovereign from Valor Electrical, is a mid-market instantaneous electric shower which combines good performance with good looks. There are only three easy-to-use controls. There are also high and low settings for "cold morning" and summer use and a temperature stabilising valve to overcome problems of changing water pressure.

Enter 101 ON EXPRESS ENQUIRY CARD



Reconstructed stone



BRADSTONE Squared Counters rubble reconstructed stone walling in the Cotswold shade is now being produced at the Catterick works of ECC Quarries. This complements the Westland York stone shade, also produced by Catterick, and is a good match for much newly quarried stone in the Yorkshire area, despite its name. There are six different lengths of block (200mm to 325mm) and three different course heights. All blocks are textured on one return end.

Enter 102 ON EXPRESS ENQUIRY CARD

Emergency wash

MINIMISING the harmful effects of accidental splashing of the face with dangerous substances, the EF220 emergency eye-and-face wash has just been introduced by Maseiro Safety Equipment. It is a floor-mounted unit, controlled by a non-slip foot pedal which leaves both hands free. It has a stainless steel bowl with two full-face drench spray heads which enables the affected area to be rinsed for a full ten to 15 minutes in accordance with national first aid recommendations.

Enter 103 ON EXPRESS ENQUIRY CARD



Corner shower



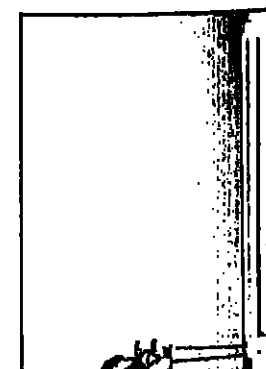
INTENDED for use in the compact luxury bathroom, the Pentaglass corner shower enclosure from Nordic Showers has a patented internally gliding door which moves to left or right and which, when closed, keeps all water drips within the shower. The glass in various finishes and colours is 8mm toughened safety glass (BS 6206 Class A) and the overall dimensions of the frame are 860mm x 860mm. The tray comes in white or champagne with 12 colours of frame in the range.

Enter 104 ON EXPRESS ENQUIRY CARD

Window vent

SPECIALLY designed for upvc single-glazed windows, the new Greenwood Airvac Permanent WH has an extra high mounting head which facilitates the use of snap-fit glazing beads. The vents also incorporate a new integral glazing seal. This permits neat installation on the top edge of the glass without the need to notch the beading or use a mastic sealant. The Permanent WH gives a free area of 12,300sq mm per metre length and it is manufactured from aluminium extrusions.

Enter 105 ON EXPRESS ENQUIRY CARD



Chair family



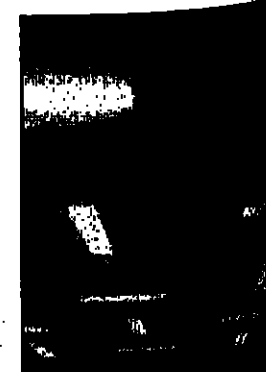
AT the heart of the new Syntop range of office chairs, introduced by Giroflex, is the new Multisync mechanism. This enables movements of back and backrest to be harmonised with perfect synchronisation to provide the best anatomical support in all sitting positions. Available in six major models to cater for all office functions, the Syntop chairs have polyurethane shells in stone, bronze or black to match the epoxy painted five-star swivel base or cantilever frames.

Enter 106 ON EXPRESS ENQUIRY CARD

Tartan ceilings

ONE of the first installations of the JNLX fully supported Tartan Grid ceiling from John Noad has been completed at Excess Insurance Group's computer centre. This is a high-performance, sealed void completely accessible steel ceiling with the added benefits of flexible design and rapid fix capability. In this example, the ceiling has been installed to a 2,575mm module, each module featuring white anti-astroboscopic perforated metal ceiling panels with acoustic pads of 2,469mm x 252mm.

Enter 107 ON EXPRESS ENQUIRY CARD



Asbestos-free slates

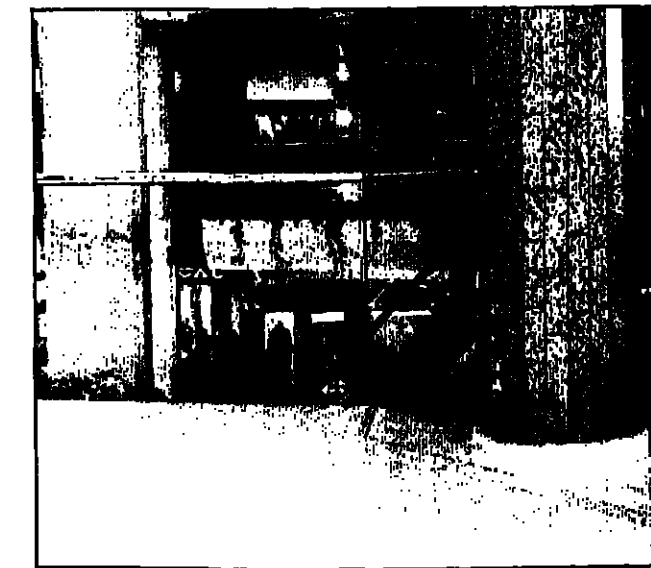


TWO local authority architects departments came to the same conclusion when they were designing two new primary schools. Because of the varied geometry of the roofs, their long spans and the detailing required at ridges, valleys and hips, both chose lightweight Eternit 2000 man-made asbestos-free slates. The schools in question are the Camberley County First School (Surrey County Council architects

department), the second is the Hotspur Primary School, Heaton, Newcastle-upon-Tyne (Newcastle City Council architects department).

Enter 108 ON EXPRESS ENQUIRY CARD

Moving problems

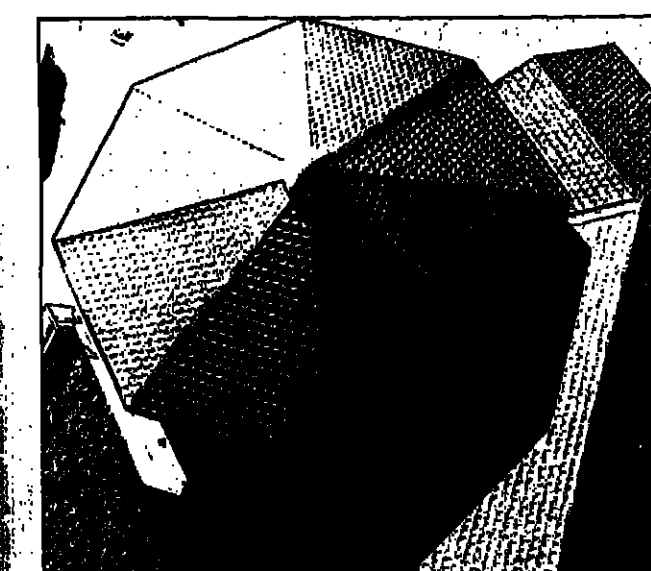


EVERYTHING conspired to make the movement problems, at the Eastgate Centre, Basildon, extremely severe. Clay subsoil, combined with a high and fluctuating water table, produced seasonal swelling and shrinkage. In addition, underfloor heating was to be used in the shopping mall beneath a marble finish. Stanley Bragg Partnership and the Basildon Development

Corporation consulted Construction Specialities to try to solve the problem. The result was a unique two-part expansion joint design, which incorporated the Elastalum expansion joint cover system, colour matched to the surrounding finishes.

Enter 109 ON EXPRESS ENQUIRY CARD

Vandal resistant tiles

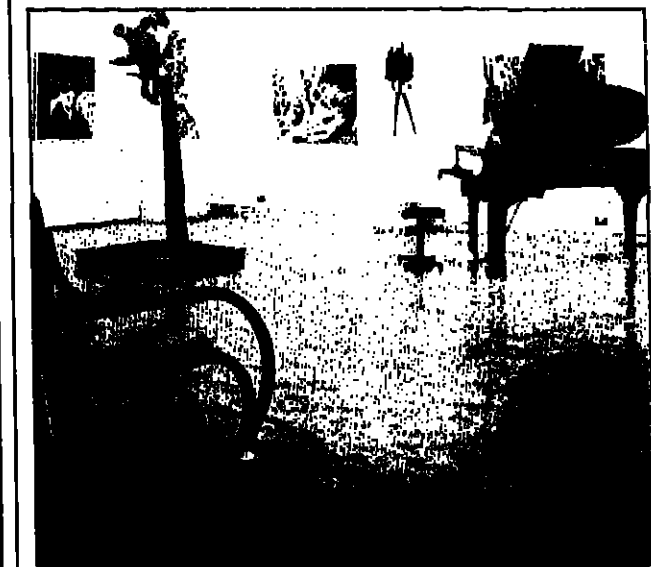


DESPITE initial worries about its ability to withstand vandalism, Brodie Cascade patterned copper-tile roofing was installed on the unusually-shaped Willowdene Community Centre. After 12 months' usage, this roofing, supplied by IMI Broderick Structures, remains undamaged. Nearly 22sq m of 0.4mm thick quarter-hard copper tile roofing was fixed on a felt underlay to a

boarded deck. A special detail was devised to overcome the awkward roof junctions.

Enter 110 ON EXPRESS ENQUIRY CARD

Museum floor

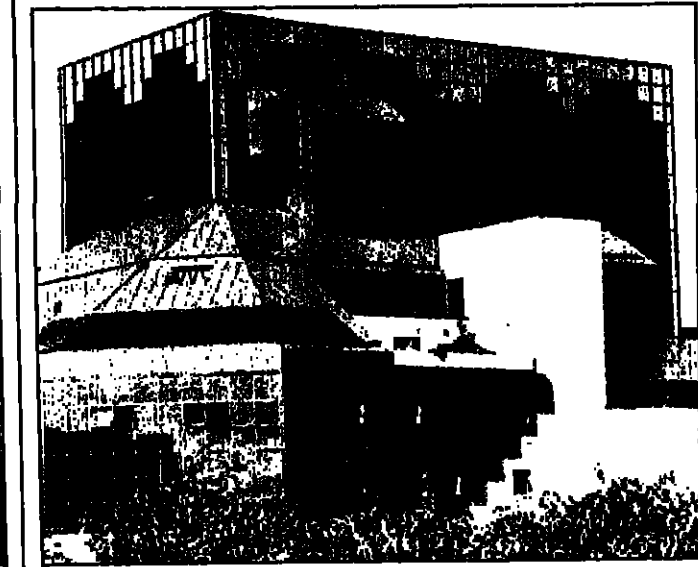


IN Sweden, Gothenburg's prestigious art museum has had its needlefelt carpet replaced with a Cork-o-Plast floor by Winadens. Requiring a floor which combined the cool, neutral appearance of marble with the functional advantages of linoleum, the museum authorities selected Arctic, one of the pastel-toned patterns of this vinyl-bonded cork tile and plank range. Its natural cork texture in subtle shades of

grey/blue now provides a non-abrasive background to the displays.

Enter 111 ON EXPRESS ENQUIRY CARD

Arts centre cladding



WHEN completed, the extension and redevelopment of the old Grand Theatre in Swansea will become a major arts centre in South Wales. Architects for the project from the Swansea City Architects Department chose IMI Broderick Structures' brick-red prefabricated aluminium cladding and copings for the recently completed extension to the theatre. The 23sq m PVP finished aluminium is bonded to 18mm

Orbita Elite moisture-resistant chipboard panels, backed by 35mm of rigid insulation. Joints between the panels were machine-formed at 600mm centres at 25mm standing seams.

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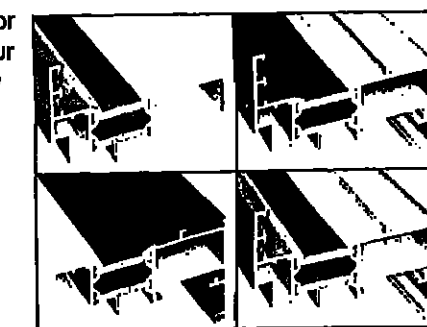
The aluminium extrusions, either anodised or powder coated, are separated by an insulated profile to give exceptionally high thermal performance. In a choice of 50, 55, 65, 70 and 75mm depths,

the combination of surface finishes also enables economic specification.

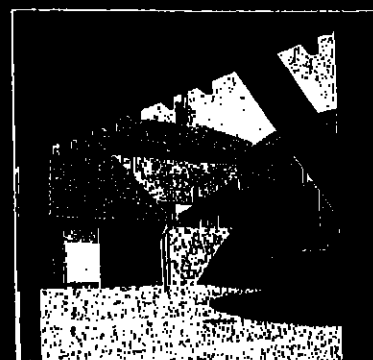
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For further information about SCHÜCO window systems, please contact: SCHÜCO UK, Times House, 179 Marlowes, Hemel Hempstead, Herts HP1 1BB. Telephone: (0442) 48572. Telex: 827568.



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No 1

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Getting to Number One and staying there is a tribute to the customer service provided by Decra's nationwide sales team. And the

professional support of its carefully chosen network of fully trained contractors. Without wishing to deliver the final blow to some of its less experienced rivals, we must also mention that Decra complies with all relevant Building Regulations, is approved by the Agrément Board, and is backed by a 30 year weather security guarantee.

All in all, it's enough to make the strongest of challengers throw in the towel. Long live the champ - specify Decra.

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Fax: 0225 242525

Photos courtesy of Decra Ltd. Architects: Dickson England.

Technical literature

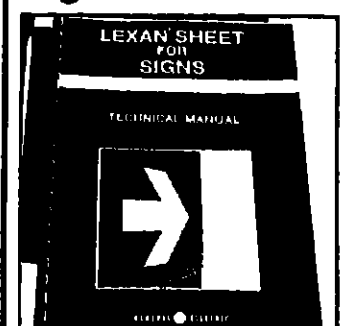
Dry roof system

TARC Tiles has published a new eight-page catalogue covering its All-Weather dry roofing system. Eliminating wet trades from the roof, the Tarc system comprises mechanically fixed covered verges and a ventilated ridge. Both are intended for use with Tarc's Bold Roll and Double Panfile concrete roof tiles. The catalogue's drawings show assembly of the dry ventilated ridge.

Enter 113 ON EXPRESS ENQUIRY CARD



Signs



LEXAN polycarbonate from General Electric Plastics can be used as a sign material from which to create high impact resistant, tough and durable signs. Now in a new technical manual, GE gives recommendations for transparent adhesives and glue systems, together with a wide range of data processing and application related data in order to ensure maximum benefit to the end-user.

Enter 114 ON EXPRESS ENQUIRY CARD

Loading bays

DETAILS of the range of loading bay equipment marketed by R S Stokvis are included in a new six-page, full-colour brochure. With 25 years experience of loading bay installations, Stokvis has acquired the type of knowledge needed to design effective installations, supply and install the equipment and maintain it in safe and efficient working order.

Enter 115 ON EXPRESS ENQUIRY CARD



Pipe flashing



BUILDEX has published a four-page brochure with clear illustrations which demonstrate the versatility of this pipe flashing system. The device can be moulded by hand to suit any profile and can be used with all normal roofing materials. The Dekitte range now contains versions which can flash the penetration of pipes and flues from 6mm to 475mm in diameter through roofs of all types.

Enter 116 ON EXPRESS ENQUIRY CARD

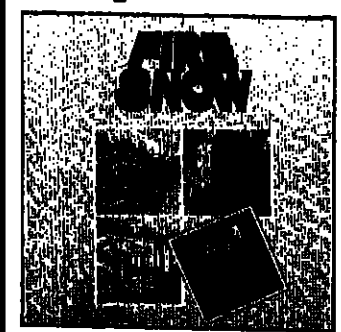
Vinyl steel

BRITISH Steel Strip Mill Products has published a new brochure which gives details of the full range of vinyl laminate steel products. BSC Stelvetite - Colour and Finish Collection contains samples of the range of nine woodgrain finishes and an expanded selection of standard plain colours. Latest addition to the range, such as non-standard special embosses and three print effects, are also included.

Enter 117 ON EXPRESS ENQUIRY CARD



Fire protection



SPELLING out the fire engineering systems and services it has on offer, Firestorm Protection Services' new four-page brochure indicates the benefits in reduced premiums which can result from the installation of an approved sprinkler system. The company can supply computer-interfaced equipment which use Halon for carbon-dioxide and other chemical forms for protection.

Enter 118 ON EXPRESS ENQUIRY CARD

Office furniture

FEATURING its light grey laminate Accord range of systems furniture, Carson Office Furniture (part of Acco Europe) has published a new eight-page colour brochure. The range includes desks, integral or freestanding pedestals, linking pieces, a wide range of screen-hung or freestanding storage units and a choice of slab-end or cantilever leg frames. It has been developed with the specifier in mind.

Enter 119 ON EXPRESS ENQUIRY CARD



Dateline

Items for consideration must be received 10 days prior to publication

This week

Today (Friday)-Thursday
Conservation of historic landscapes, parks and gardens course.
Venue: West Dean College, West Sussex.
Cost: £270 for residents, £180 for non-residents or £30 each day, including lunch and dinner.
Details: 01-636 0974.

Monday-Wednesday
New methods of building procurement for the public sector, seminar organised by the School for Advanced Urban Studies, University of Bristol.
Venue: University of Bristol, Bristol.
Details: Courses Secretary, University of Bristol, School for Advanced Urban Studies, Rodney Lodge, Grange Road, Bristol BS8 4EA. (0272) 741117.

Tuesday
The elderly and housing design, conference organised by the National Housing and Town Planning Council.
Venue: Fairfield Halls, Croydon.
Cost: £10.
Details: NHTPC, 14-18 Old Street, London EC1V 9AB.

Wednesday
Reading architecture, design workshop organised by the North London Polytechnic. A short day release course for students and practitioners of architecture.
Venue: Polytechnic of North London, Holloway Road, London N7.
Cost: £75.
Details: Jon Finlayson, 01-607 2789.

Thursday
Slide seminar organised by Art & Architecture. The speaker will be Richard Cork, art critic of the *Listener*.
Venue: Institute of Contemporary Arts, The Mall, London W1. 7.30pm.
Cost: £1.50.

Thursday
Access for disabled, lecture by Paul Walsh of the Countryside Commission organised by the East Midlands Landscape Group.
Venue: Lockington Hall, Kegworth, Derby. 7pm.
Details: Phil Rech, (05097) 2772.

Friday
Reception to inaugurate the change of name from SAAT to BIAT at Scott Howard Associates.
Venue: Scott Howard Associates, 32 Broadwick Street, London W1.
Details: Tamara Esposito, 01-278 2206.

Exhibitions

July 4, 7-10
Degree and diploma show, school of Architecture and Construction Studies, Huddersfield Polytechnic.
Venue: Huddersfield Polytechnic, Queensgate, Huddersfield, West Yorkshire.
Details: (0484) 22288 (ext 2289).

July 4-August 31
Society of wood engravers and Relief Printers 49th annual exhibition.
Venue: Geoffrey Museum, Kingsland Road, London E2 8EA.
Tuesday-Saturday 10am-5pm, Sunday 2-5pm.
Admission free.
Details: 01-739 8368.

July 5-July 31
East to back, images in tapestry and wood, by Candace-Bahouth and Howard Raybould.
Venue: Crafts Council Shop, Victoria & Albert Museum, South Kensington, London SW7.
Details: 01-589 5070.

July 7-12
BA in Interior design degree show, Polytechnic of North London.
Venue: Polytechnic of North London, Holloway Road, London N7. 10am-5pm.
Details: 01-607 5289.

July 8
Arata Isozaki will be presented with the 1986 Royal Gold Medal for

Architecture at the RIBA.
Venue: RIBA, 66 Portland Place, London W1. 6.15pm.
Cost: £1 to members and students, £2 to visitors.
Details: 01-580 5533 (ext 4335).

July 8-July 18
Festival of engraved glass '86, exhibition organised by the Guild of Glass Engravers.
Venue: Church of St Lawrence Jewry, Guildhall, London.
Details: Publicity office, 11 Cleave Road, West Hampstead, London NW6. 01-624 8781.

Until July 17
Natural stone display, including the winning and commended entries to the 1985 Design Awards for natural stone.
Venue: Building Centre, Manchester, 113-115 Portland Street, Manchester.
Details: 01-636 7122.

Until July 26
London: Images from the modern city, exhibition organised by the Heinz Gallery and the RIBA.
Venue: Heinz Gallery, 21 Portman Square, London W1.
Details: 01-580 5533.

Until July 20
Exhibition of the winners and other selected entrants to the RIBA International student competition.
Venue: RIBA, 66 Portland Place, London W1.
Details: 01-580 5533 (ext 4120).

Until July 30
Architectural drawings by Hugh Ferriss, exhibition organised by the Whitney Museum of American Art.
Venue: Whitney Museum of American Art, 787 Seventh Avenue, New York, New York 10019.
Details: (212) 570 3633 or 554 2468.

Until October 5
William Morris woven textiles.
Venue: William Morris Gallery, Lloyd Park, Forest Road, London E17 4RP.
Details: Kate Thaxton, 01-527 5544 (ext 4390).

Coming soon

July 12
Building conservation workshop organised jointly by the Newcastle-upon-Tyne City Council and the Association of Conservation Officers.
Venue: Civic Centre, Newcastle-upon-Tyne.
Cost: £25 plus £3.75 VAT.
Details: 091-328520 (ext 6102).

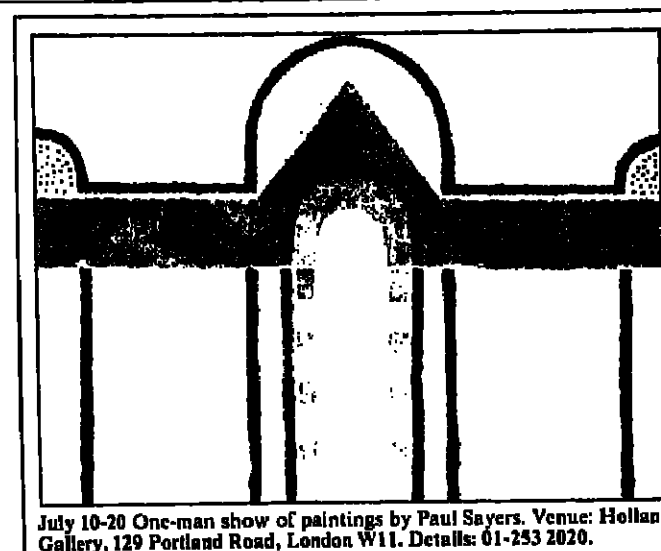
July 14-16
Block laying course, organised by Interpace, the Concrete Block Paving Association.
Venue: MSC Skillcentre, Torrington Avenue, Coventry.
Details: Mr R Vickers, Interpace, (0533) 536161.

July 15
One-day programme of construction management seminars organised by the Association of Researchers in Construction Management to follow its annual general meeting.
Venue: Department of Building Engineering, UMIST.
Details: Dr A R Duff, 061-236 3311.

July 16
The PABX: how the major systems compare, five representatives of the important features of their systems, organised by the Telecommunications User's Association.
Venue: London Press Centre, EC4.
Cost: TUA members £95 plus VAT, non members £125 plus VAT.
Details: Liz Goodwin, 01-242 4141.

July 16
Promoting your practice, a seminar organised by RIBA Services.
Venue: RIBA Services, 66 Portland Place, London W1.
Details: Charlotte Dale, 01-637 8991.

July 16
The impact of construction legislation, short day release course for students of architecture



July 10-20 One-man show of paintings by Paul Sayers. Venue: Holland Gallery, 129 Portland Road, London W11. Details: 01-253 2020.

as part of Design Workshop 86 organised by the North London Polytechnic.
Venue: Department of Environment & Design, Room 131, Polytechnic of North London, London N7.
Cost: £75.
Details: Jon Finlayson, 01-607 2789.

July 16
Project procurement and management, one day course organised by the Midlands Study Centre.
Venue: Albany Hotel, Birmingham.
Cost: £85 for centre subscribers, £95 for others.
Details: Midlands Study Centre, 9 Westbourne Road, Edgbaston, Birmingham, B15 3TN. 021-454 2008.

July 18
Energy world and housing design, seminar organised by the RIBA Housing Advisory Group.
Venue: RIBA, 66 Portland Place, London W1. 10am-4.15pm.
Cost: £40 including VAT.
Details: Tim Blackburn, RIBA, 01-580 5533.

Subscription details

Building Design is published weekly and sent free of charge to registered architects working in the UK and selected members of allied trades. Subscription rates: one year £30, overseas \$80, single copies 60p. Orders to: Subscription Dept, Morgan Grampian (Construction Press) Ltd, Morgan Grampian House, Calderwood St, London SE18 6QH (01-855 7777).

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Milton Keynes: 42 Tannan Drive, Blakelands North, Milton Keynes MK14 3BW. Telephone: 0908 610377. Telex: 825700.
London: Walmar House, 296 Regent Street, London W1. Telephone: 01-580 639424.

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Closing date: 18th July 1986.

Development Services Department Architects Division

Due to retirement and advancement the following posts are to be filled within the Division, which comprises a team of around 50 staff of Architects, Building Surveyors, Quantity Surveyors and Clerks of Works.

The Division seeks to maintain high professional standards and is responsible for all the Council's building requirements. Current annual expenditure is around £14m. and is spread over new building, improvement and repair.

Applications are invited for the following posts:

GROUP BUILDING SURVEYOR
Scale PO1/B: £12,885-£14,026
plus essential user car allowance (pay award pending)

The postholder will be responsible for a team of 12 Building Surveyors committed to an interesting and varied workload of improvement, repair and maintenance work.

Candidates should have at least 5 years R.I.C.S. post qualification experience and should have attained competence in all aspects of the Building Surveyors role, including the management of staff and major building programmes. Knowledge of local authority administration and an interest in the development of computer aids would be desirable.

GROUP QUANTITY SURVEYOR
Scale PO1/B: £12,885-£14,026
plus essential car user allowance (pay award pending)

The postholder will be responsible for a team of 8 Quantity Surveyors in providing comprehensive pre and post contract services to the Council.

Candidates should have at least 5 years post qualification experience and should have attained competence in all aspects of the Quantity Surveyors role including the management of staff. Knowledge of Local Authority administration and an interest in the development of computer aids would be desirable.

QUANTITY SURVEYOR (re-advertisement)
Scale 8/SO2: £8,979-£11,804
(pay award pending)

The postholder will be responsible to the Group Quantity Surveyor in the provision of pre and post contract services. Candidates should have attained competence in all aspects of the Q.S. role, must be innovative and be able to respond promptly to demand for swift and effective accounting and cost control.

Preference will be given to qualified Quantity Surveyors in which case the commanding salary will be within Scale SO2. Alternatively, experienced and/or part qualified surveyors will be considered within Scale 8/SO1.

Further information can be obtained from Mr D McKenzie, Assistant Chief Architect on Ipswich (0473) 211211 Ext. 434. Closing date: 18th July 1986.

Generous disturbance allowances available in approved circumstances.

Write for an application form and further details to the Director of Manpower Services, Civic Centre, Civic Drive, Ipswich.

Borough of IPSWICH

The Council is an Equal Opportunity Employer

SHARED OWNERSHIP HOUSING ASSOCIATION

BUILDING SURVEYOR

Salary Scale SO1/SO2 - £10,818-£12,411 p.a. including London Weightings plus essential car use allowance

A vacancy has arisen in the Survey Department of this London based Housing Association, for a Building Surveyor to carry out the control of conversions and refurbishments of houses in and around London.

The successful candidate will be required to take a fully responsible role for the project from feasibility to completion of the works and to be self motivated and act under his own initiative with the minimum supervision.

The candidate should have the enthusiasm to adapt to the Department's flexibility in response to new clients and varying types of work.

Applicants should be suitably qualified, ARICS, MCIOB or with relevant experience in this surveying field.

The post is on a rising scale and the starting point is dependent upon experience and qualifications.

SHOA is an equal opportunities employer.

Application forms can be obtained from Jill Rickard, SHOA, Brett House, Park Parade, Harlesden, NW10 4HT. Tel: (01) 961 4804. Ext. 48.

Building Development Manager

Home Counties c.£20,000 + Car

Our Client, an expanding privately owned Company, wishes to establish an in house Architectural Department. They seek to appoint a Project Architect/Development Manager to establish a division, to handle existing theme and leisure park developments and generate external assignments.

We wish to interview candidates with a wide range of building, construction and refurbishment experience. They should possess a strong commercial background, be able to deal with local authorities, assess tenders and work with specialist contractors. It would be an advantage to have some experience of Hotel, Restaurant, Theme and Leisure Park projects both in the UK and Overseas.

This is a unique opportunity for candidates aged between 30-40 with an Architectural/Building qualification to advance their career and set-up a consultancy practice with a guaranteed workload in an exciting growth area.

For further information and to discuss your application in confidence, please contact: Robin Giddings or write to:

Malla Executive Recruitment
334 Euston Road, London NW1 3BG
Tel: 01-387 1043, Fax 387 8312

DEVELOPMENT DEPARTMENT

A major new initiative in Property Management

Architect/Surveyor GRADE PO2A

£14,026-£15,111 p.a. plus £1,138 L.W. and supplements

With our large property holding of over 600 buildings, other than housing, adaptation and improvement is vital if resources are to be efficiently used and client requirements effectively met.

The Council has recently made a major financial commitment to such a strategic approach and we are therefore looking for an experienced professional to manage this exciting new initiative and ensure that our considerable investment in our building stock is effectively planned. Your job will be to develop our property data base and co-ordinate all adaptations and improvements to our existing property. You should have a wide experience of building and a particular interest in its improvement and adaptation together with a logical and systematic approach to problem solving.

You must be qualified to either RIBA Part III or RICS Part III, or have a minimum of ten years practical experience with some of it on large and complex projects, together with familiarity with Building Regulations and forms of building contracts. You must be able to initiate and maintain a good relationship with clients; be capable of managing architectural and surveying staff and ensure that projects are designed, programmed and cost controlled within the client's brief.

Brent is an Equal Opportunity Employer. Applications are welcome from candidates irrespective of race, nationality, ethnic or national origins, age, marital status, gender, disability and gay men and from disabled persons. Job shareers welcome.

Application forms and job descriptions from the Personnel Division, Room 1, Brent Town Hall Annex, Kings Drive, Wembley, Middlesex, HA9 9BR returnable 28th July 1986. Telephone 01-903 0371 (24 hour Answerphone Service). Please quote Ref No: D/370.

London Borough of BRENT

Computer Aided Design - your future?

Our CAD Department has available the most up-to-date technology, namely a prime 2550 using QDS by ARC of Cambridge. Later this year the Department will be moving to our prestigious purpose-built headquarters in Bournemouth.

The Department consists of small teams which see projects through from sketch schemes through to Building Regulation Approval.

PROJECT TECHNICIANS

CAD experience whilst desirable, is not essential. Training will be given. You should have a sound knowledge of Building Construction.

The work is interesting and demanding and we need people with enthusiasm and initiative who are prepared to contribute to a dedicated team effort.

Attractive salaries are offered which will reflect your experience and ability. The benefits package also includes a pension and relocation expenses.

MCCARTHY & STONE
Building for a safe, secure retirement

Interested? Contact David Turner, our CAD Manager, for further details and an application form at McCarthy & Stone plc, Queensway House, Queensway, Newbury, Hants. RG12 5NR. Tel: (0486) 910070.

District Building Control Officer
£10,290-£12,483 p.a. inc.

We are seeking a qualified member of the Institution of Building Control Officers with at least 3 years post qualification experience, although consideration will be given to persons qualified to Part II Professional Examination level, initially appointed on salary scale SO.1/2 to join our Building Control Section of the Planning department based at Rickmansworth.

The successful applicant will be responsible for plans examination under the Building Regulations and allied legislation, within one of six designated districts, together with associated site inspections and enforcement. Other duties include action in respect of dangerous structures and supervision of demolition works.

An Essential User Car Allowance is applicable to this post, therefore, applicants must hold a current driving licence and possess personal transport.

The Council has developed a computerised system to assist the provision of an efficient professional service to the public.

Three Rivers District Council is situated in a pleasant part of South West Hertfordshire. A generous relocation package is available in approved cases. For further details and an application form please contact the Personnel Department.

Three Rivers District Council, 17/23 High Street, Rickmansworth, Herts. Telephone (0923) 778611 ext. 38. Closing date for applications is 18 July 1986. An equal opportunity employer.

THREE RIVERS DISTRICT COUNCIL

Jacob Blacker Architects require
PROJECT ARCHITECT
with at least 5 years experience for all ranges of exciting new build and rehab projects.

Jacob Blacker Architects designs planners 3 shepherds walk london nws 5ue tel: 01-794 4376 01-435 9739

Architectural Assistant

Required for small but busy practice in the centre of the Lake District. Excellent conceptual ability and good presentation essential.

Apply in writing with CV to:-
Ian Robinson
Clappersgate, Ambleside, Cumbria LA92 9LE

PROSPECTIVE PARTNER

Required by longstanding medium sized Lancashire Practice (currently consisting of five Partners)

Applicants should be qualified Architects aged 40/45 with good general experience in Private Practice and be interested in proving their ability prior to replacing outgoing Partner.

Replies in writing to the Secretary
The Greenhalgh & Williams Partnership
Century House, 173 Chorley New Road, Bolton (Branch office in Northampton)

DESIGN TEAM PARTNERSHIP KETTERING OFFICE

Require the following staff to work on a variety of interesting projects.

SENIOR ARCHITECTURAL TECHNICIAN

with experience of production drawings and contracts.

TECHNICIAN

with say 3-4 years experience.

Ring Mrs King on St. Albans (0797) 25137 with details.

Take the National Health Service Building Programme into the 21st Century

ARCHITECT INTERIOR DESIGNER QUANTITY SURVEYORS

...an opportunity to join a team responsible for the policy on a wide range of building services, specific to hospitals.

The building requirements of the NHS are constantly changing in response to medical, technological and social developments and you will be working in close collaboration with medical, nursing and other client representatives.

You must be a registered Architect or have a degree (or equivalent) in Interior design or be a qualified Quantity Surveyor, each with several years' appropriate experience.

SALARY: £13,110-£15,845 (including £1365 Inner London Weighting) with starting salary according to qualifications and experience. Significant improvements in pay scales will take place over the next 3 years - in addition to normal annual pay increases.

RELOCATION ASSISTANCE MAY BE AVAILABLE.

For further details and an application form (to be returned by 25 July 1986) write to Civil Service Commission, Alconon Link, Basingstoke, Hants RG21 1JB, or telephone Basingstoke (0256) 468551 (answering service operates outside office hours). Please quote ref: T/6868.

The Civil Service is an equal opportunity employer.

Department of Health and Social Security

Montrose Architecture Make us your first call

WHY APPLY...

...to all those advertisements, spending hours writing applications, making endless phone calls, visiting time in building interviews, and perhaps still not finding a suitable post, when one call to your local 'specialist consultant' will connect you with interviews at the right practice, in the right area, offering the salary and prospects you deserve?

To find out more, speak to one of our Architectural specialists or ask for our free vacancy list.

The Oxford Architects Partnership

Bagley Croft
Hinksey Hill
Oxford OX1 5BS
Tel: Oxford (0865) 730033

require
ARCHITECTS & TECHNICIANS
with 3-5 years post qualification experience to work in attractive surroundings on the outskirts of Oxford.

Write to or telephone M. J. Drew.

Hodder Lees Partnership require
PART II GRADUATE OR RECENTLY QUALIFIED ARCHITECT
with excellent technical and design ability to join young, busy practice.

Apply with CV to:
Hodder Lees Partnership
4 Disconson Terrace, Clifton Square, Lytham, Lancs FY8 3JY
Also at Manchester

Architect and Architectural Technician

Recently qualified Architect and Architectural Technician (min HNC or equivalent) required for busy border practice.

Apply in writing with CV by 25th July 1986 to:
Architects & Surveyors
82 Buccleuch Street, Newick TN9 0HW

PETER BLACK AND PARTNERS require
ARCHITECT AND TECHNICIAN
to work on a variety of private and public sector projects.

Administration and good design abilities essential.

Excellent prospects and working environment.

Salary in accordance with ability.

Apply in writing to:
PETER BLACK AND PARTNERS
3 Church Road, Haywards Heath, Sussex RH16 3QT

THE REID, SMITH PARTNERSHIP requires a fully experienced
CLERK OF WORKS:
for an approximate 20/24 months contract, commencing in August 1986.

The works comprise a Major New R.C. School Building and Sports Hall, together with modifications, alterations and refurbishments to other Schools in Hull, for: The Institute of Our Lady of Mercy and The Trustees of the Diocese of Hildesheim.

Applicants should preferably be members of the Institute of Clerk of Works, and must have a full knowledge of all aspects of the building industry and an ability to obtain good site relationships and maintenance of records and reports.

In the first instance write, giving age, experience, salary and references to be taken up before interview to:-
The Reid, Smith Partnership
Chartered Architects
43 Ropetate
Pontefract WF8 1JY

BOROUGH OF BARROW-IN-FURNESS ARCHITECT'S DEPARTMENT

Assistant Architect
SCALE 6/SO.1/SO.2 £8,979-£11,804 (subject to qualification bar)

Applications are invited from young Architects or Part II Post-Graduates with first-class design ability and the tenacity to apply this within a busy Local Authority office with a varied workload. Barrow-in-Furness is a planned Victorian industrial town of 70,000 people set on the Cumbria Coast close to the Lake District.

Further information and application forms may be obtained from the Personnel and Management Services Office, Town Hall, Barrow-in-Furness or telephone Barrow (0229) 25600 ext. 247.

Closing Date: Friday 18th July 1986.

D. G. B. Lyon, Town Clerk and Chief Executive, Town Hall, Barrow-in-Furness

BACHELOR OF TOWN PLANNING
3 Years, Part-time

The BTP degree is for graduates or those with a professional qualification (e.g. RIBA, RICS) and gives exemption from RTPI Final examinations.

For unemployed students, opportunities for paid work experience exist within the Faculty students' cooperative.

Further details (for September 1986 entry) from Department of Town Planning, South Bank Polytechnic, Wandsworth Road, London SW8 5JZ.

Tel: 01-928 8959 Ext 7007

South Bank Polytechnic
Teaching for tomorrow in the heart of London

FOSTER ASSOCIATES

The London office has a busy audio visual and graphic presentation unit supporting architectural projects both in the UK and worldwide. We are looking for a third person to work in this expanding department.

Graphic design and/or other media skills essential since the work includes help with in-house and client reports, external exhibitions, press enquiries, publicity and research. Enthusiasm and a good sense of design are essential requirements.

Applicants should in the first instance send an introductory letter with a curriculum vitae and photograph to Spencer de Grey, Foster Associates, 172-182 Great Portland Street, London, W1.

ARCHITECTURAL ASSISTANT

Applications are invited from suitably experienced persons for a busy office with a very diverse workload in respect of residential and commercial development. Candidates preferred who possess M.S.A.A.T., have a sound knowledge of building construction and are capable of producing both design and working drawings.

The company's offices are in a pleasant environment, being located in a green belt village near Hatfield, so a car driver/owner is essential.

5 Dayweek. Holiday arrangements honoured. Salary dependent on ability.

Apply to the Architectural Manager, Hichas Developments Ltd., West End Lane, Essendon, Herts AL9 6AT, enclosing C.V.

BIRMINGHAM CITY COUNCIL an equal opportunities employer
ARCHITECT'S DEPARTMENT LANDSCAPE ARCHITECT
Ranging between £7,920-£10,638

Required to join the Department's Landscape Practice Group, which is currently working on a wide variety of schemes including post-war housing estate improvements, Education and Social Services programmes, environmental and highways projects. In addition, major schemes include new developments at the National Exhibition Centre, 'Operation Green-up' a co-ordinated strategy to improve the City's image from major roads, and the International Conventional Centre.

Duties will include work on schemes from inception through to Site Supervision, and there is a high level of individual project responsibility under the direction of the Principal Landscape Architect.

The job would suit Associates with 1-2 years postgraduate experience, although applications from recent graduates would also be considered.

Application forms available from the Personnel Officer
City Architect's Department
Baskerville House, Civic Centre, Birmingham B1 2NE

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Require
ARCHITECTS/TECHNICIANS
With minimum of 4-5 years UK experience to work in Central London office on
Multiple schemes projects and new-build sheltered housing schemes.
Phone Peter Hunt on
01-734 8731

FARMER AND DARK
Have openings for
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Including one with experience of GDS draughting system, or willing to learn.
Please write with C.V. to:
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London SW15 2TR

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ARCHITECTURAL TECHNICIAN
required with minimum 4 years experience. Opportunity for full involvement
on a wide variety of interesting projects.
Apply in writing please to:
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Manchester M2 7HP

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Sole Principal facing rapid growth, welcomes help at all levels
Job Architects, Assistants
Wide scope for personal involvement.
Pleasant small riverside office in Barnes.
Please telephone
01-878 5385 for details

**Chartered Town Planner/
Associate Designate**
required by Midlands multi-professional disciplinary practice to
work on a large variety of planning projects and appeals.
Applicants should have experience in retail and commercial impact
and feasibility studies as well as housing and availability appraisals.
Good salary and partnership opportunities for the right applicant.
C.V. to:
Box No. 3588
c/o Building Design
30 Calderwood Street
Woolwich
London SE18 6QH

MASLEN SHUTLER ASSOCIATES
109a Regents Park Road, London NW1
require
**ARCHITECTS, TECHNICIANS AND
BUILDING SURVEYORS**
with practical experience for expanding commercially minded firm
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projects in and around London.
Good salary commensurate with experience and
skills.
Please contact Robert Shutler on
01-586 2108

**CITY
ARCHITECT**
£28,041/£30,624
Applications are invited for this key Chief Officer post.
The Council is looking for a person with an understanding of the
serious problems facing a large urban area such as Manchester
and the imagination to contribute towards devising solutions.
The successful candidate should have extensive management
experience at a senior level in a large multi disciplinary
organisation.
The Council has a capital programme of £108M in 1988/89
which reflects its political priorities. Great emphasis is placed
on achieving this programme within established timescales.
This requires the ability to manage and motivate staff, monitor
progress and report regularly to committees. A close
working relationship with the Council's Direct Works
Department is essential in the development of the capital
programme and the appointee will be expected to build on and
develop existing links.
Procedures are being introduced to ensure that all contractors
employed by the City Council comply strictly with its Standing
Orders and policies in relation to employment practices, equal
opportunities and health and safety. Applicants must be able to
demonstrate an ability to achieve this end.
The Council is moving towards the provision of services on a
neighbourhood basis and this will require an ability to adapt to
changes in the Council's organisational structure and respond to
the needs of the community.
This post offers an exciting opportunity for a person wishing to
grapple with many diverse issues ranging from decaying
system built housing to empty and un-modernised listed
buildings, to development of one of Europe's fastest growing
regional airports.
Application form and further information is available from the
Director of Personnel, 4th Floor, Cumberland House,
Crown Square, Manchester
M60 3BB. Tel: 061 234 7601.
Closing date Friday, 18/7/88.

MANCHESTER
City Council
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THE MASON RICHARDS PARTNERSHIP
Architects, Planners, Consulting Engineers,
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have a variety of interesting commissions throughout the U.K.
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Vacancies for talented Architects, Part III Graduates and Technicians
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Excellent working conditions and prospects, firm's car provided by
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Contact:
Wolverhampton (0902) 771331. K. Cattell, D. W. Billingsley,
& Co
Birmingham 081-454-8835. M. J. Pyle, J. E. Griffiths.
Newbury (0635) 35933. N. Hignell.

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WATKINSON STONOR**
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Due to an increasing workload the firm requires:-
**A PLUMBING & DRAINAGE
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to work on a wide range of sports halls and leisure pool projects.
Applicants should write setting out their experience and
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The successful applicant will need to co-ordinate his work with
teams of architects and engineers and must therefore be well
organised and personable
and
**A PLUMBING & DRAINAGE
DRAUGHTSMAN/TRACER**
About 18 to 18 years old with draughtsmanship skills, good clear
hand lettering and some understanding of technical building
drawings.
Both jobs offer excellent career prospects.
Write enclosing details (C.V. etc) to:
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Dobson House
Northumbrian Way
Killingworth
Newcastle upon Tyne
NE12 0QW

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ASSISTANT**
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Applicants should have an understanding of highways standards
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sound knowledge of low rise construction are essential. Excellent
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Apply in writing with detailed C.V. to:
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Director & Chief Architect
Countryside Properties P.L.C.
81-87 High Street
Billericay
Essex CM12 9QH

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**EXPERIENCED
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with talent and enthusiasm to take a major role in
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To assist in our continuing programme of
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CR9 1BU

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STAFFORDSHIRE**
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The post which will be offered
initially for a fixed period of three
years, will involve working mainly
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opportunities for periodic working
visits to the Prison's offices in
London and Warrington, Cheshire. It
will carry considerable responsibility
since the person appointed will
take full charge under the Project
Associate of the coordination of the
work of the Contractors and Con-
sultants teams, as well as carrying
out more general Architectural
duties.
► Architect or
Senior Technician
Applications enclosing CVs
should be made to:
Gwynne Moyla Esq. FRICS
Austin-Smith: Lord
40 Lexington Street,
London W1R 3LH

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For further details please phone Martin Morrison or Eileen Thomas.

TECHNICAL SERVICES DEPARTMENT
**PLANNING OFFICER
(CONSERVATION):**
£11,973-£12,861 Inc. pa.
(pay award pending)
The Borough extends from 11m from Smith Bridge to Hampton
and Hampton includes twenty miles of Thames Riverbank, the
nine hundred and fifty listed buildings, forty design-
ated Conservation Areas and numerous areas of open space, including
Richmond and Bushy Park and the Royal Botanical Gardens, for
The Department takes a positive and creative approach to
development, conservation and the environment.
This post is in the Forward Planning Section of the Planning
Division. Duties will include formulating policies and enhancing
proposals for conservation areas, advising on listed buildings and
the design aspects of planning applications in conservation
areas.
Applicants must have considerable experience of environment
and conservation issues and have a special interest and knowledge
of listed buildings. An architectural or planning qualification
required.
Form and job description from Department of Technical Services
Regal House, London Road, Twickenham TW1 3QB (01-891 11
ext. 378), quoting reference No. 921012, returnable by 25th July,
1988.

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We offer Graduates an exciting future within an expanding
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Applicants should be extremely able designers and illustrators
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Apply to Mr. V. Newton with C.V. and examples of work prior to
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DEPARTMENT OF PLANNING AND ARCHITECTURE
**PLANNING ASSISTANT
(DESIGN)**
S.1/6 (CAREER GRADE) — £2,878-£3,712
POST NO. 16.
Applications are invited for the above post in the Department of
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The City Council is now active in the fields of environmental
enhancement, conservation work, the promotion of development
opportunities and the implementation of planning policies. A person
sought who can particularly offer flair and initiative in design and
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include the preparation of design briefs for important City Centre
and design guidance for various developments throughout the City.
Experience in design work is essential and candidates will be
have appropriate qualifications in Planning, Architecture or Urban
Design. An ability to work within a team as well as individually is
important.
Job description and application forms available from:
The Personnel Officer, Gloucester City Council,
75-81 Eastgate Street, Gloucester GL1 1AA.
Telephone: Gloucester 31271 ext. 47.
Closing date: 18th July 1988.
The City Council is a committed equal opportunities employer
and invites applications from men and women from all sections of
community, regardless of marital status, colour, race, age, sex,
religion, sexual orientation, trade union activity, political views,
subject to the physical requirements of the post.

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If your present position is getting you down,
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and put you in the money. Call now. No strings
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Any experienced Architectural Technician or Assistant
with a minimum of 3 years experience in the design
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The successful candidate will be responsible for the
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BARNES UP TO £20,000 P.A.
The successful candidate will be responsible for the
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design and construction of buildings for the public sector.
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ARCH. TECHS — Herts, perm and contract, housing background preferred.
ARCHITECT to run new London branch office of established practice. Hospital
experienced. TECHNICIANS, ASSISTANTS AND ARCHITECTS Midlands —
vacancies exist in Solihull + Manchester, immediate starts.
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with 2-3 years experience and
TECHNICIANS
with minimum 5 years experience
to work on a variety of housing, commercial and health projects. Vacancies in
the BIRMINGHAM, COVENTRY AND LONDON offices.
Please reply in the first instance, with full C.V. to:
103 New Union Street
Coventry CV1 2HT
Tel: 0203 51733
stating preferred location

Islwyn Borough Council
Applications are invited from suitably qualified and
experienced persons (male or female) for the following post:-
**TECHNICAL AND SERVICES
DEPARTMENT**
ARCHITECTURAL ASSISTANT
SCALE 6/6 - £7,920-£9,591
Application forms and further particulars can be obtained from
the Personnel & Management Services Unit, Civic Centre,
Blackwood Road, Pontllanfraith, Blackwood, Gwent NP2
2YW — Telephone Blackwood 226822 — Extension 2373 —
and are to be returned by Friday, 18th July, 1988.

Cobban & Lironi
require
**DESIGN
ARCHITECTS**
with at least 3 years experience to take responsibility for the design
and construction of leisure/hotel projects throughout England.
Salary negotiable.
Please write with C.V. to:
Cobban & Lironi
9 Mackenzie Street
Slough
Berks SL1 1XQ

**ARCHITECTS • ASSISTANTS • TECHNICIANS
& INTERIOR DESIGNERS**
For Permanent or contract positions in London and
the Home Counties.
Immediate well paid positions.
Please Visit, send CV or phone:
STEVE FOLEY at ACME APPOINTMENTS
315 OXFORD ST, LONDON W1R 3HH
TEL: 01-491 7522 or 01-493 4000

ARCHITECTS + TECHNICIANS
Most adverts on this page are boring and to keep up the standard
we hope that this one is too. However we do have some of the
most interesting jobs which we simply have to advertise.
Portsmouth, Newbury, London, Winchester are our latest
vacancies with salaries from
£8,000-£16,000. To find out more
phone now.
ORWORLD
Recruitment Services
75 Leigh Rd, Eastleigh
Hampshire SO8 4DQ

ROCK TOWNSEND
Site/Contracts Manager
Applications are invited for the post of Site/Contracts
Manager. The successful candidate will be responsible
for supervising on-site programming and construction of
retail shop outlets throughout the British Isles. Retail
interior design experience essential, shop fitting
experience an advantage. All applications should be
made in writing to:-
The Business Manager
Rock Townsend
33 Gresse Street
London W1P 1PN

Go for growth
The most challenging
opportunities in retail
property development today
There is no question - DIY is the fastest moving
area of retailing today. And one of the industry's
leaders, Texas is growing just as quickly. With 139
stores already, our plans for expansion are ambitious
indeed - 30 additional premises this year. It all adds
up to enormous potential career growth for retail
property development professionals. So, if you crave
variety and challenge, join us at our Wellingborough
Head Office where the big opportunities are.
Architect/Technician
£12,000 - £14,000 plus car
Co-ordinating the work of the Design Team
members, you will monitor and supervise progress
ensuring tight deadlines are met. In addition to
preparing drawings, you will issue specifications,
obtain approvals and comments as necessary. Aged
28 or over, you are professionally qualified, possibly
to degree level.
**Mechanical & Electrical
Engineer**
£11,000 - £13,000 plus car
Aged 28 or over you'll design and prepare
electrical and mechanical schemes within tight
deadlines and to local authorities' requirements.
Ultimately, you'll ensure that future running costs
are as effective as possible. Enthusiastic and
committed, you will have an appropriate professional
qualification.
Site Manager
£10,000 plus car
With plenty of drive and initiative, you'll be
instrumental in controlling the fitting out of our
new stores. Confident and qualified to at least HNC
standard, you will liaise effectively with all company
personnel from builders to accountants.
Draughtsperson
£8,500 - £9,300
Liaising with the Architect to ensure deadlines
and requirements are met, you'll control and prepare
detailed drawings and plans for our stores. Aged 21 or
over, you'll have a full knowledge of building
regulations and stipulations plus an appropriate
qualification.
From the outset of your career with us, your
commitment and dedication will be well rewarded
with an attractive salary and an exciting range of
benefits. Contact us today for further information.
Write with career details or telephone for an
application form to: Terry Read, Personnel Director,
Texas Homecare Ltd.,
Home Charm House, Park Farm, Wellingborough,
Northamptonshire NN8 3XA. We welcome
applications from both men and women.

**TEXAS
HOME CARE**
Managing Success

Designer

Private Residential Developments

We require an experienced Designer to work on site layouts for private housing developments. Based at Ealing, the job will involve extensive liaison with local authorities over planning matters and require the ability to negotiate and sell ideas, as well as design final.

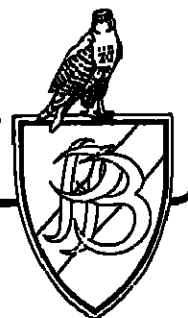
Full technical and design detailing support will be provided by experienced drawing office staff, with whom it will be essential to establish a good working relationship.

Applicants must have directly related experience and the enthusiasm to make a significant contribution to our housing operations.

Salary will be negotiable and benefits will include a company car, pension scheme and free lift and health insurance.

Please write with full details, including an indication of salary requirement, to the Personnel Manager, Percy Bliton plc, Bliton House, Uxbridge Road, Ealing W5

BILTON



Project Architect

UP TO £16,000
CENTRAL LONDON

We require two project architects for key architectural schemes in the Rail and Road Modernisation Programmes.

Applicants must be qualified architects, preferably with a degree or diploma, who can demonstrate enthusiasm and a high standard of design ability and technical innovation. They should be capable of running projects from inception to completion.

We would expect applicants to have had at least five years experience since qualifying and to be in the 30-40 years age bracket.

Among other benefits we offer FREE TRAVEL on all London Transport services and quarter rate travel on British Rail for you and your family.

LONDON REGIONAL TRANSPORT

Applicants should phone Jane Cakelbreed on 01-227 3865 or write to her at Central Personnel, London Regional Transport, 65 Broadway, London SW1H 0BD quoting reference CDV 790/E.

SUMMER BREAKS

Architectural Technician	Architect	Architectural Technician	Architect	Architectural Technician	Architect
Residential	Commercial	Residential	Commercial	Residential	Commercial
London SW1	London SW1	London SW1	London SW1	London SW1	London SW1
2 weeks	2 weeks	2 weeks	2 weeks	2 weeks	2 weeks
01-834 3408	01-834 3408	01-834 3408	01-834 3408	01-834 3408	01-834 3408

EXPERIENCED ARCHITECTURAL TECHNICIAN

required for small development. Company involved in residential, commercial and industrial projects. Applicants must be competent and have an accurate drawing ability, together with a sound knowledge of building construction, drainage, services etc and be thoroughly familiar with planning and building legislation procedures and requirements. Salary commensurate with experience. Please apply in writing, giving brief details to:

Mr. R. J. Hodges
Highways Construction Co Ltd
PO Box 18
99 Bancroft, Hitchin, Herts SG4 7SH

SAUDI

Project Managers, Architects, Landscape Architects, Q.S.'s Electrical, Mechanical, Civil and Structural Engineers. Minimum 10 years experience + degree. Electrical, Mechanical, Architectural, Civil and Structural Inspectors. Minimum 8 years experience + HNC. To work for a consultant, good terms and conditions.

Send C.V. or telephone:-
Mr. R. Salmen
A.P.G.
13 Lower Regent Street, London SW1
Tel 01-930 1656

ARCHITECTURAL TECHNICIANS OXTE

Tandridge District Council have the following vacancies in their Property Services Section of the Housing Department.

ARCHITECTURAL TECHNICIAN

£8,133-£8,910

This is a permanent position. A current driving licence is essential and a casual car allowance is payable. The Council also operates a Leased Car Scheme.

TEMPORARY ARCHITECTURAL TECHNICIAN

£9,192-£9,804

Required for a fixed term until April 1987, to assist in a special housing programme of modernisation and improvement. A current driving licence is essential.

Successful applicants for both positions will be required to prepare working drawings and specifications, liaise with statutory undertakers and supervise contractors. You should be educated to HNC or BEC National Standard.

Benefits include 9.8 days paid annual leave, contributory pension scheme and flexible working hours.

For an application form please telephone the Personnel Section at Caterham 45811 or write to the Head of Personnel and Management Services, Tandridge District Council Office, Harestone Valley Road, Caterham, Surrey.

Closing date: 2 weeks after publication

TANDRIDGE DISTRICT COUNCIL



Architectural Assistant

c.£8,850 - £9,250

Halls Oxford & West Brewery Company, a trading company within the large and successful Allied-Lyons group, markets and retails a wide range of well-known beers and lagers throughout South & West England. We have an immediate vacancy for an Architectural Assistant based at our Oxford offices.

Candidates (MSAAT or equivalent) with at least 2 to 3 years' experience of working in a drawing office should be technically competent in all aspects of drawing and detailed design work and be able to progress work from sketch design to final completion. The successful applicant will report to the Company Architect and will have an important contribution to make to our exciting pub development programme.

If you are interested in helping to design new, exciting pub interiors, are self-motivated and prefer to work on your own initiative, application forms can be obtained by writing or telephoning Ray Barnes, Personnel Manager, Halls Oxford & West Brewery Company Limited, 34 Park End Street, Oxford OX1 1JA. Tel: (0865) 722433.



We are an Equal Opportunities Employer



INTERIOR ARCHITECTURE

The Thomas Saunders Partnership are a practice well known for their high quality architecture and interior work for many international companies throughout the London area.

Due to numerous new commissions TSP are currently seeking Project Controllers/Designers with a proven history of creative and management experience in interior related projects.

We are looking for candidates who have the ambition, drive, sense of responsibility and potential to become an integral part in the future success of the practice. Career advancement and substantial salary package will be offered to those who show willing.

For further details please contact Malcolm Scott or David Smith at ADRIUM Recruitment Limited, 15 Old Court Place, Kensington, London W8 4PL. Tel: 01-938 3433



TECHNICIANS

with at least 5 years experience required for busy City Centre Practice. Salaries will reflect experience and ability. Write with CV or telephone

Roger Bennett
Mather & Bennett
Leinster Chamber, 4 St. Ann's Square, Manchester M2 7HF
061-833 9396

CLERK OF WORKS

A qualified experienced Clerk of Works is required to oversee industrial buildings in South Berkshire. The duration is for 18 months. Please apply giving age, trade and Clerk of Works experience together with 2 recent Architects references to:-

Farrer & Dark
Architects
131 Upper Richmond Road, London SW15 8TR

NICHOLAS LACEY JOBST and HYETT

require

EXPERIENCED ARCHITECTS
with minimum of 5 years post part II experience to take a leading role in the development of a large London based scheme.

ARCHITECTURAL ASSISTANTS
with minimum of 1 year post part II experience to become a key member in a small team working on various schemes.

Please apply in writing with particulars to:
All Senei
66-70 Worship Street
London EC2A 3AN
Tel: 01-247 5771

Senior Clerk of Works

SO.1. £11,292-£11,955 p.a. inc.

To assist in the supervision of Housing, Social Services and Leisure and Recreation projects. Initially you will be involved in large rehabilitation contracts although you will also be expected to supervise a series of smaller contracts when necessary. You should have had experience in an appropriate construction industry trade and have a thorough practical knowledge of building construction, the Standard J.C.T. Form of Contract and Building Legislation. Casual car allowance. Ref: ACW/4.7 Closing Date: 15 August, 1986.

Architect

PO2 £13,167-£14,202 inclusive

In common with most Local Authorities this Council is directing its efforts towards the repair and improvement of its own buildings. In addition there is an increasing programme of Housing, Leisure, Social Service and Civic Buildings Design Projects and Feasibility Studies. You should be used to handling a busy workload involving detailed design, working drawings and undertaking site supervision. We need an Architect who has experience of these types of projects and is committed to working within a multi-disciplinary office and willing to accept responsibility. Ref: AGAC.008 Closing Date: 18 July, 1986.

For further information please contact Michael Lee, 01-748 3020 ext 4704.

Application forms from London Borough of Hammer-smith and Fulham (Personnel), Town Hall Extension, King Street, Hamersmith, W6 8JU, telephone: 01-741 0804 (24 hour answering service), quoting appropriate Ref.

Hammer-smith & Fulham
An Equal Opportunity Employer

THE TOOLEY & FOSTER PARTNERSHIP

Architects, Engineers, Designers require immediately
ASSISTANT ARCHITECT
for a wide range of interesting work in a multi-disciplinary practice. Spacious offices on the borders of Greater London.
Apply with C.V. to:-
The Tooley & Foster Partnership
Wandrick House, Palmerston Road, Richmond Hill, Essex IG9 5LQ
Tel: 01-504 9711

NILSSON ASSOCIATES LTD

require talented

ARCHITECT

with a minimum of 3 years experience to work on a prestigious office project in the London Docklands and on a variety of their own developments in the West End. Salary negotiable. Tel: 01-352 3942

IAN CKING
CHARTERED ARCHITECT

ASSISTANT ARCHITECTS AND TECHNICIANS

required in our Victoria office to work on fast moving commercial projects.

Minimum 5 years experience.

Salary negotiable.

Write with C.V. before 15th July to:
Cassandra Barker
Greencoat House
Francis Street, London SW1P 1DH
Telephone: 01-630 0322

Architectural Assistant

£8,979-£10,638

If you are an Architectural post-graduate, with first class design ability, you are invited to apply for an architectural assistant's post in a small but extremely busy architects office, within the Housing and Environmental Health Department.

The successful applicant will be expected to make a positive contribution to the work of the Division, which includes a variety of interesting local authority housing projects including major sheltered schemes. Candidates should preferably have R.I.B.A. Part 2 but Part 1 graduates with at least 5 years design experience will be considered. Rugby lies in pleasant countryside in the heart of England with easy access to all parts of the country via road and rail links. Relocation expenses (up to £1,000) plus 100% removal available in approved cases. Possible council housing. Application form and job description available from the Personnel Unit, Chief Executive's Department, Town Hall, Evesham Way, Rugby CV21 2LB. Tel: 07777, ext 483/484. Closing date: 25 July 1986.

RUGBY BOROUGH COUNCIL IS AN EQUAL OPPORTUNITIES EMPLOYER

RUGBY BOROUGH COUNCIL

NORTHERN REGIONAL HEALTH AUTHORITY

Property Estate and Design Division

Multi-disciplinary office requires professional staff to participate in Major Hospital and Health Building programme.

Salary £10,051-£12,258 (Increase pending)

Design Architects (2 Posts)

- Intergraph CAD System
- Small and Large projects including
- Wards
- Health Centres
- Out-patient Departments
- Residential Accommodation
- Ambulance Stations
- Professional project control from inception to final account

Liaison Architect (1 Post)

- 2-4 years experience required
- Should have developing interest in management within the building process
- Offers an excellent stepping stone towards a career in project management

Quantity Surveyor (1 Post)

- Opportunity to work on liaison or production surveying
- Option Appraisals and Building Economics
- Computerised quantity surveying systems

Application forms and job descriptions from Regional Personnel officer, Northern Regional Health Authority, Benfield Road, Newcastle upon Tyne NE6 4PY.

Further information available by telephoning 091-265 4188 ext 3112. Design architects Mr Cryan ext 3210, Liaison architect Mr Farmer ext 3378. Quantity surveyor Mr Jenkins ext 3249. Closing date 28th July 1986.



Senior Architectural Assistant

required to assist in the preparation of initial feasibility schemes, planning submissions and working drawings for speculative housing and flat developments.

Experience in commercial housing development essential.

Please write with C.V. and expected salary to:-

R. J. Salmen R.I.B.A.
Chartered Architect
Aspen Homes Beckenham Ltd
108 MacKenzie Road
Beckenham, Kent BR3 4SD

The Miller Bourne Partnership

Chartered Architects will be pleased to hear from

SENIOR & JUNIOR TECHNICIANS

and from recently qualified ARCHITECTS looking for permanent opportunities to be well paid for initiative and ability.

Apply with C.V. to:-

49 Church Road, Hove, Sussex BN3 2BZ
Tel: 0373 779311

Architectural Design Limited

Architectural Technician

4-5 years experience of technical detailing to work on a wide variety of projects in a progressive Architectural Company in Cumbria. Apply with full C.V. to:
The Company Secretary
Architectural Design Ltd
41c Crescent Road, Windermere, Cumbria

TECHNICIAN

Experienced Technician for young office to prepare working drawings on two housing schemes. Fantastic salary for the right person.

Please call John Assael or Phillip Bangs for a chat on 01-373

8546, or send C.V. to:-

John Assael & Partners
38 Clareville Street
London SW7 5AW

Lyons + Sleeman + Hoare

The practice has a continually expanding workload of major redevelopment and refurbishment projects throughout the South of England. We are seeking young, versatile and ambitious job running

Architects/Technicians

able to take full responsibility from inception, at our Newbury offices.

Enthusiasm will be fully rewarded together with promotional opportunities for those with proven ability. Please write with C.V. or telephone for immediate interview to:-

John Stamp
The Phoenix Brewery
Bartholomew Street
Newbury
Berkshire RG14 5DQ
Tel: 0635-48571/48882

Dar Al-Handasah Consultants

(Shar & Partners) (UK) Ltd

Ministry of Housing STATE OF SAUDI ARABIA

SENIOR ARCHITECT/PLANNERS

CIRCA \$22,000 tax free

These are senior positions which will involve the formulation of urban concepts including the detailed planning of New Towns and subdivisions; the design of a variety of community/commercial and mixed use facilities and centres. Successful candidates will have a thorough knowledge of Urban design principles, methods and techniques and should be able to communicate these clearly in drawing and writing. An understanding of Middle Eastern climatic, social, historical and architectural traditions is desirable. The applicants must be Architects qualified to Masters Degree level, or equivalent, and have at least 6 years experience with a minimum of 4 years in urban design. Salary range starts at \$22,779 and is dependant on experience (\$22,779 = £1,700 at current exchange rate). Benefits include family status, free hard furnished accommodation and healthcare, subsidised schooling and 6 weeks annual leave with return air passages.

Please write with C.V. to:-

Dar Al-Handasah Consultants,
(Shar & Partners) (UK) Ltd.,
91, New Cavendish Street, London W1M 7FS.

Growing young practice with varied housing and interiors projects seeks a design co-ordinator

ARCHITECT
who's also happy on site. We would also like to hear from a year out student for involvement with real, often traditional buildings.

Andrew Gato
Johnston & Mather
2 Grosvenor Gardens, London SW1W 0DH

BRADFORD COMMUNITY TECHNICAL AID
requires

COMMUNITY ARCHITECT
£9,000-£11,000 per annum

To advise and assist community projects in developing all kinds of building works and researching into housing problems with Community groups. Initially a nine month contract is offered.

The appointed applicant will work with the management team to develop and establish the project on a permanent basis.
Equal Opportunities Employer

For further information phone or write to:
Junior Rashid
ATBC
943 Manningham Lane, Bradford, W. Yorkshire BD8 7ER
(Tel: 0274 46166)

ARCHITECTS

McCarthy & Stone's design team is involved in creating specialised housing for the elderly with sites in East Angles and the Home Counties as well as throughout the UK.

Our intense and high workload means that we are seeking:

Team Leader Architect
Landscape Architect
Architectural Technician

If you have ambition and commitment coupled with a high level of professional expertise then you will enjoy working with our Regional Design Team in Bedford.

Ability and enthusiasm are more important than experience and we can offer an excellent salary and benefits - including a company car for the Team Leader Architect.

McCarthy & Stone
Building for a safe, secure retirement.

Please ring or write enclosing c.v. to Peter Cobb, Regional Architect, McCarthy & Stone (Developments) Ltd., 1 Hammond Road, Viking Industrial Estate, Bedford MK4 0LQ.
Tel. (0234) 218271.

REGIONAL DESIGN CO-ORDINATOR
Maidstone, Kent

Costain Homes Limited is the name to be seen on impressive private and joint venture housing developments right across the country.

As a result of this continuing expansion, we now need a Regional Design Co-ordinator to join our recently formed South-Eastern Region based in Maidstone.

As a key member of the management team, the person appointed will assume responsibility for co-ordinating the work of both internal and external design agencies. As such, a thorough working knowledge of all legislation relating to private house building requirements eg NHBC, Building Regulations, Highways, etc is essential as is the ability to work effectively under pressure with the minimum of supervision.

An excellent commencing salary and an attractive range of fringe benefits including the provision of a Company car will all be offered to the successful candidate.

Please either write with full career details, including an indication of current salary, or telephone for an application form to:-
Mr. M. Clarke,
Personnel Manager,
Costain Homes Limited,
67/71 High Street,
Merlow, Bucks SL7 1XB.
Tel: (06284) 71841.

Costain Homes
the Investment Builders

KENT DAVID A. CROYDON ARCHITECTS

we have a wide range of work and require enthusiastic **ARCHITECTS/TECHNICIANS** previous experience and ability to take responsibility essential.

Please apply in writing:-
David A. Croydon
21 Stone Street
Gravesend
Kent DA11 0NP

DIXON DEL POZZO
require

QUALIFIED ARCHITECTURAL TECHNICIAN
with minimum 4-5 years experience to work on variety of projects.

Apply in writing to:-
18 Huntingdon Street
St. Neots, Cambs PE19 1BD
Tel: 0480 75746

Hampshire

Cecil Denny Highton & Partners

are seeking
for their Portsmouth office,
an Architect with a proven record of excellence to help with an expanding workload of exciting projects, both new and refurbishment, in the public and private sector.

Please write with career and personal particulars to
Michael Highton at
23 High Street
Portsmouth
Hampshire

ASSISTANT QUANTITY SURVEYOR/QUANTITY SURVEYOR
Salary £8,613-£12,861 inclusive

Commencing salary will be dependent upon qualifications and/or experience.

To work in the multi-disciplinary Architectural Division on a variety of mainly new-build schemes including housing, schools, sports facilities, social services centres and other capital projects. Project involvement will be comprehensive from feasibility to settlement of final accounts.

Familiarity with cut and shuffle and Fletcher & Moore phraseology would be advantageous as would experience with measuring mechanical and electrical services. Previous Local Government experience is not necessary.

The office operates a 36 hour flexible working week and a casual user car allowance will be paid.

Application forms and further information are available from Head of Architecture
Department of Development
London Borough of Croydon
Tabernacle House
Park Lane, Croydon CR9 1JT
(Tel: 01-886 4433, ext. 8917)
Closing date: 18th July, 1986

CROYDON
An equal opportunity employer

Housing Department Development Architect

Grade POE £13,187-£14,202 p.a. inclusive
Based at 83 Victoria Street SW1

Play your part in inner-London regeneration! A self-starting, achieving development-architect is needed to work within the Director's Office on new housing initiatives. You will run pilot-contrasts and organise programmes of established low-cost housing initiatives such as starter flats, barrier and partnership package deals; and you will also bring forward your own new initiatives to meet known housing needs.

Applicants must have 10 years post-qualification experience, of which 3 years must have been spent working on Local Government housing, and another 3 years working on Private Developer's housing. Coaching ability is essential.

28 days holiday plus one day off every 4 weeks. Interest free annual season ticket loan available.
For informal discussion and information about the post telephone Sheila Tribe on 01-788 2672.

INNER CITY YEAR ACTION '86 IN YOUR CITY

For an application form and job description either telephone: 01-834 6558 (24 hour Answerphone service) or call at the One Stop Services floor at City Hall, Victoria Street, SW1 (quoting Ref: HSG 60).
Closing date: 17th July, 1986.

ARCHITECTS, TECHNICIANS & INTERIOR DESIGNERS

urgently required for London and Home Counties. Top rates to £10 per hour +, permanent salaries to £19K p.a. +. Send C.V. or call

EMANCO LIMITED
Engineering Management Consultants
11 Green Russell Street, London WC1B 3NH
Telephone 01 232 0821
Telex: 8051181 and 262284
Cables: Emanco London W1

Architectural Technician
required with good draughtsmanship and sound knowledge of construction and regulations, to work mainly on hotels and refurbishments.

Write to:-
Clive Reeves
Peter Ednie & Partners
4 Gray's Inn Square
London WC1R 5JP

THE ARCHITON PARTNERSHIP

As a result of further new commissions we are pleased to announce that we require

ADDITIONAL JOB ARCHITECTS
who are capable of running projects from inception to completion.

ARCHITECTURAL ASSISTANTS
at all levels.

Please reply in confidence giving age, experience and salary requirements
CALUM DAVIS OR TONY COUGHIN
828 London Road, North Chesham, Surrey SM3 8JR
Telephone 01-350 8080 or 8089

MICHAEL HASKOLL ASSOCIATES
Chartered Architects. Design Consultants
7 Cromwell Place London SW7 2JN 01 581 8535

PROJECT ARCHITECT
With commercial job running experience to manage a prestigious range of refurbishment projects.

DESIGN ARCHITECT
An enthusiastic Architect is required with design flair and outstanding presentation skills to work on the concept development of a shopping centre project.

Please write with CV or telephone
Robin Crane
at the above address

DRY/BUTLIN/BICKNELL/PARTNERSHIP

We are looking for the following people with a positive attitude, and a real commitment to design combined with technical and managerial skills.

JOB ARCHITECT
likely to have 4-5 years experience.

INTERIOR DESIGNER
with minimum 5 years experience.

These opportunities exist for interesting hotel, leisure and entertainment projects within an expanding Richmond based practice.

Please reply in writing to Roger Bicknell
ARCHITECTS & INTERIOR DESIGNERS
ST JOHN'S STUDIOS/CHURCH ROAD
RICHMOND/SURREY/TW9 2AQ
TEL: 01-948 5322/6 / TELEX: 881146

LONDON BOROUGH OF ISLINGTON

Directorate of Design, Construction and Maintenance Building Controls

ASSISTANT STRUCTURAL ENGINEER/BUILDING SURVEYORS
SCALES 5/6, £9231-£10,908 p.a. inc

We are looking for up to 8 people with a knowledge of building construction and a working knowledge of the Building Regulations 1968 to assist in discharging the Council's building control functions.

The successful applicants will work as members of a team within the Borough and will either hold, or be studying for, membership of the IBCO, IASB or RICS, or have a minimum of 2 years relevant work experience in building control, be experienced in examining deposited plans and in making site inspections. Some knowledge of the London Building Acts would be an advantage.

An application form and job description from:-
District Surveyor, Club Union House, 281 Upper Street, London N1 1YQ. Telephone 226 8376.
Closing date: 18th July 1986.

Our jobs are open to all races, both sexes, lesbians and gay men and we have a positive attitude towards the employment of disabled people.

LISTER DREW & ASSOCIATES
are expanding and urgently require the following staff in their additional new offices in Welton-on-Thames:-

Young Architects
with first class design ability

Architectural Technicians
with experience and sound knowledge of building construction to work on offices, high tech, industrial and retail projects. Non-smokers preferred.

Apply with full cv. and samples of work to:-
Ivan Mazila
Lister Drew & Associates
Springfield House
93 Oaklands Drive
Weybridge, Surrey
Tel. Welton-on-Thames 288981

MANCHESTER

Small, expanding City centre practice with exciting and varied projects requires an ambitious

ARCHITECT
with 4/5 years sound experience. Good salary offered to dynamic self motivated Architect.

Full career details to:-
David Dewhurst Architects
1 Ridgefield, King Street, Manchester M2 6EG

Experienced Architectural Assistant or Technician

Should hold either Intermediate RIBA or HND/MSAAT. Knowledge of building construction essential for work in detailing on varied projects.

Driving licence advantageous, salary negotiable.
Tel: 051 709 8855 for interview.
Harrison Partnership,
68 Rodney Street, Liverpool L1 9AF.

Solon Cooperative Housing Services Design Group
require an

ARCHITECT OR SURVEYOR
with at least 5 years relevant experience to take charge of new-build and rehabilitation projects from feasibility to completion.

We are looking for someone with good technical understanding who cares about the quality of design, and is interested in working directly with the members of a variety of housing cooperatives in East London, from all ethnic backgrounds.

Please telephone Jan Lathwell on 01-947 9838 for an application form or information:-
SCHS Ltd., (218 Whitechapel Road, London E1 1BJ) is a secondary housing cooperative managed collectively. We are committed to an equal opportunities employment policy and applications from ethnic minorities are particularly welcomed.
Salary £13,896 p.a.
Closing date: 30th July 1986

Architects/Architectural Assistants

We are looking for enthusiastic and dedicated job-runners with a flair for design to become involved in a varied and expanding workload of exciting projects. Progressive career opportunities exist in our Leeds, Nottingham, Newark and Lough offices. Experience of leisure and commercial design an advantage. Brief C.V. to:

Wm Saunders & Partners
St. James's House
58 Park Place
Leeds LS1 5SP

WSP

EALING FAMILY
requires an

ARCHITECT/SENIOR ARCHITECT

Enthusiastic and practical new staff needed to run new build and rehabilitation housing projects from inception to completion.

These are posts in the small in-house Architects team of a successful community based association working closely with Housing and Development Staff.

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